

CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

RECEIVED
MAR 12 1990

DIVISION OF
OIL, GAS & MINING

March 9, 1990

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

Ref: Application for Permit to Drill: Runway 10G-1 Well, San Juan County, Utah

Gentlemen

Attached for your examination and approval is the original and two copies of an Application for Permit to Drill the Runway 10G Well No. 1 in San Juan County, Utah. This well will be drilled as part of an ongoing exploration program.

The location for this well falls outside the guidelines for the State of Utah spacing requirements. However, the topography of the area surrounding the desired location is such as to preclude the well being located in accordance with State requirements and yet remain in a position which will allow the well bore to penetrate geological structures which have been identified by seismic interpretation. We therefore apply for an exception to the General State Spacing requirements on topographic grounds. Chuska Energy controls the acreage surrounding the proposed site, as indicated on the attached land plat.

Please advise if you require additional information concerning this application. Chuska will greatly appreciate your prompt consideration.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw
File: C:\WP\CSWH\RUNW10G1\UTAHCOVR

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. Lease Designation and Serial No. NOG 8702-1116	
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. If Indian, Allottee or Tribe Name Navajo Tribal	
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>			7. Unit Agreement Name _____	
2. Name of Operator Chuska Energy Company			8. Farm or Lease Name Runway 10G	
3. Address of Operator 315 North Behrend, Farmington, New Mexico 87401			9. Well No. 1	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 1450' FNL, 2180' FEL			10. Field and Pool, or Wildcat Wildcat (001)	
At proposed prod. zone Same			11. 00, Sec., T., R., H., or Blk. and Survey or Area S10 T40S R25E	
14. Distance in miles and direction from nearest town or post office* SWNE			12. County or Parrish San Juan	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 5,242' GR			13. State Utah	
16. No. of acres in lease 7,642'			17. No. of acres assigned to this well Rotary	
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. 5,242' GR			20. Rotary or cable tools 6-1-90	
21. Elevations (Show whether DF, RT, GR, etc.) 5,242' GR			22. Approx. date work will start* 6-1-90	
23. PROPOSED CASING AND CEMENTING PROGRAM				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	8 5/8"	24 lb	500'	371 sx '6' + 67 CaCl ₂
7 7/8"	5 1/2"	15.5-20 lb	7,226'	803 sx '6', 65:35 Poz + 67 Gel

Refer to attached 10-point Drilling Plan etc.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed: [Signature] Title: Operations Manager Date: 3-9-90
 (This space for General or State office use)

API NO. _____ Approval Date _____
 Approved by: _____ Title: _____
 Conditions of approval, if any: _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

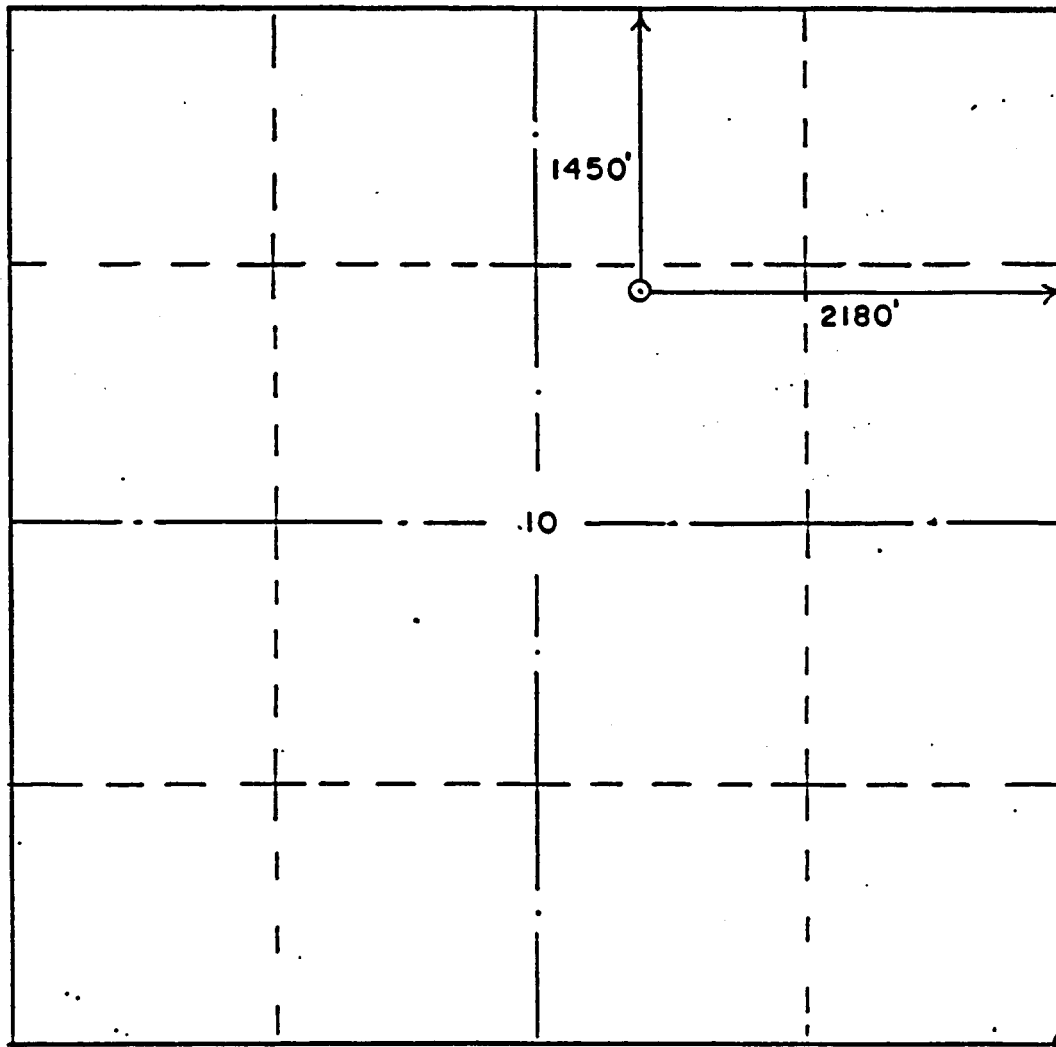
DATE: _____

BY: _____

WELL SPACING: RL15-3-3

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:

Chuska Energy Company, Runway 10 - G - 1

1450'FNL & 2180'FEL

Section 10, T.40 S., R.25 E., SLM

San Juan County, Utah

5242' ground elevation

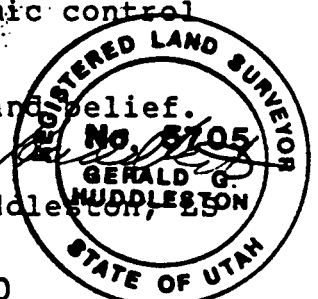
State plane : x = 2,681,277. y = 248,876.

plus or minus 5', based on existing seismic control

The above plat is true and correct my knowledge and belief.

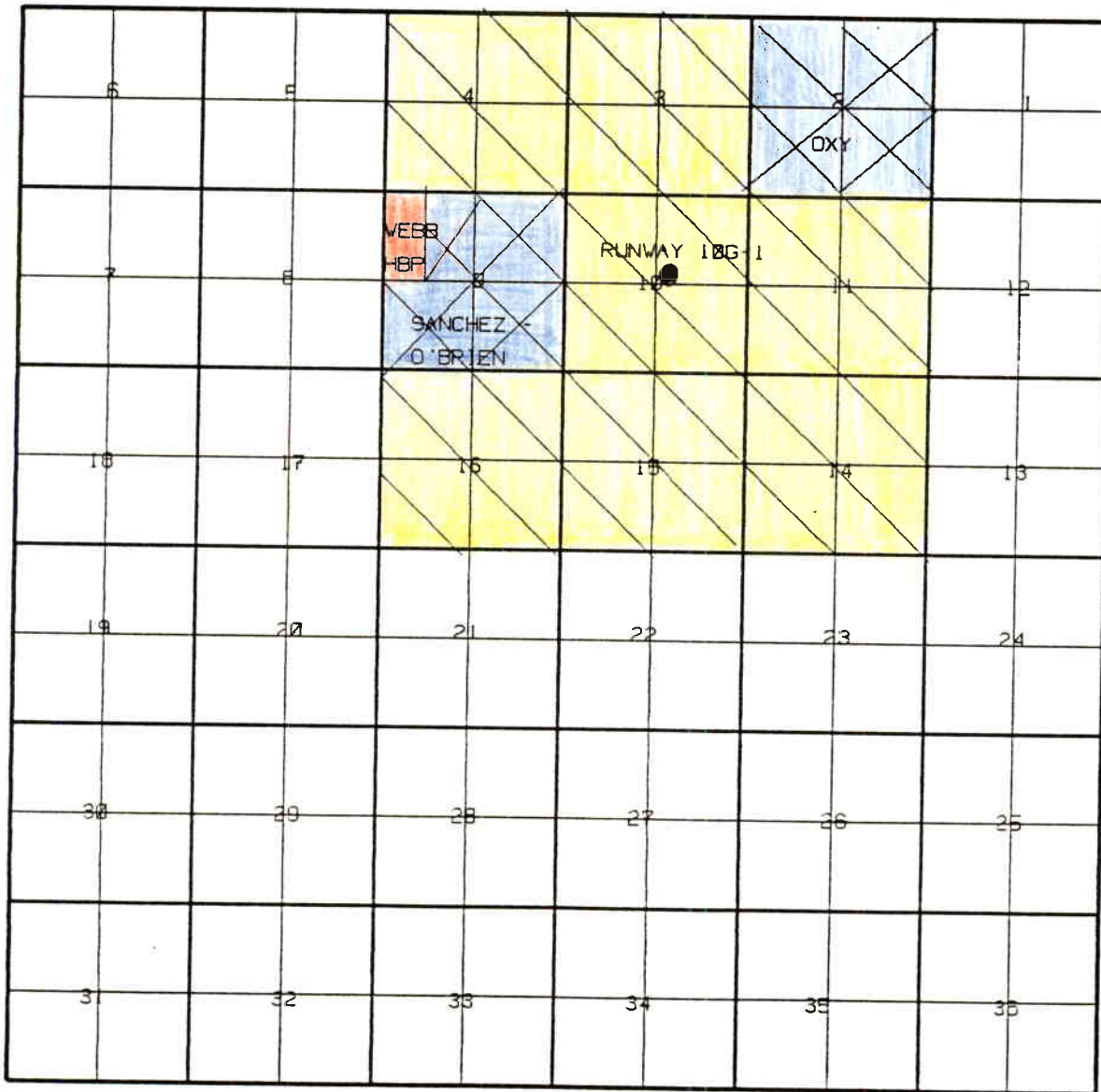
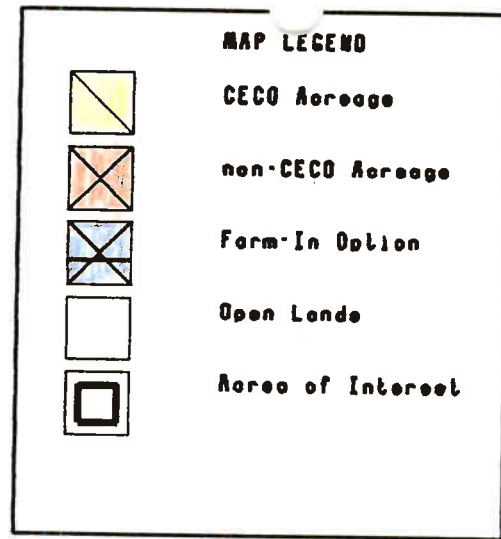
5 March 1990

Gerald G. Huddleston



213 East Montezuma Avenue • Cortez, Colorado 81321 • 303-565-3330

T40S-R25E
SAN JUAN COUNTY
UTAH



CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

Runway 10G Well No. 1
Section 10, Township 40S, Range 25E
1450' FNL, 2180' FSL
San Juan County, Utah

1. SURFACE FORMATION

Geological name of surface formation: Dakota/Burro Canyon

2. ELEVATION

Surface elevation is 5,242' GR.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>
Surface	Dakota/Burro Canyon	+ 5242'
1272'	Navajo	+ 3970'
1867'	Chinle	+ 3375'
3007'	DeChelly	+ 2235'
3117'	Organ Rock	+ 2125'
3807'	Cedar Mesa	+ 1435'
4922'	Hermosa	+ 320'
5812'	Upper Ismay	- 570' Primary Target
5937'	Lower Ismay	- 695' Secondary Target
6042'	Desert Creek	- 800' Secondary Target
6142'	Akah	- 900'
6616'	Barker Creek	- 1374'
7387'	Mississippian	- 2145'
7642'	Total Depth	- 2400'

4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Surface	500'	8 5/8"	24.0 ppf	K-55	STC
Production:	7,642'	5 1/2"	See detailed program below		

Detailed production string (5 1/2"):

<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
0' - 40'	20.0 ppf	L-80	LTC
40' - 5,990'	15.5 ppf	K-55	LTC
5,990' - 6,770'	20.0 ppf	L-80	LTC
6,770' - 7,642'	17.0 ppf	K-55	LTC

Surface Cementing:

371 sx (427 ft³) Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Slurry volume will be calculated at 100% excess over annular volume.

Production Cementing:

First Stage

TD to 4300' (stage collar @ ± 4300'). Lead with 257 sx Class 'G' cement, 65:35 Pozmix, with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 590 ft³.

Second Stage

4300' to surface. Lead with 346 sx Class 'G' cement, 65:35 Pozmix with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 755 ft³.

Note: Exact slurry volumes for the production string will be adjusted according to the caliper log which will be run prior to cementing. Special adjustments may be necessary if significant amounts of salt are drilled.

5. BLOWOUT PREVENTER (See attached schematics)

As abnormal pressure is not anticipated, a 2000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, a 3000 psi system will be used, as per the attached Exhibits "A" and "B". This will be a 10" x 900 Series double ram preventer, equipped with a set of pipe and blind rams.

An accumulator system, with a pressure capacity sufficient to operate the rams three complete cycles without rig power, will be required as part of the rig equipment.

6. PROPOSED MUD PROGRAM

Surface to 3500'

Fresh water, gel, lime and native solids. Weight 8.3 - 8.7 ppg. Gel/lime sweeps as necessary for hole cleaning.

3500' to 5900'

Low solids, non-dispersed polymer system. Weight 8.6 - 8.8 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs.

5900' to TD

Saturated salt water, starch, salt gel. Weight 10.0 - 10.5 ppg, viscosity 35 - 40 sec/qt. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs. Mud system to be fully converted and conditioned prior to drilling into the Akah at $\pm 6,150'$.

7. AUXILIARY EQUIPMENT

- A. A kelly cock will be installed during drilling operations, with handle available on the rig floor.
- B. Floor (stabbing) valves will be available, on the rig floor at all times, with necessary subs to fit all of the drilling assemblies.
- C. Mud will be the circulating fluid. No abnormal formation pressures are expected.

8. WELL EVALUATION

Open hole electric logging program will consist of a minimum program of DLL-MSFL-SP-GR-Cal, FDC-CNL-GR-Lithodensity from TD to 4000'.

Drill stem testing will be as per the wellsite geologist's recommendations, based on shows. A mud logging unit will be utilized during drilling operations from 4000' to TD.

9. ABNORMAL PRESSURES/GAS

Abnormal pressures are not anticipated. Monitoring of gas and hydrocarbon shows will be by wellsite mud logging unit. H₂S gas is not anticipated, however regular checks will be made while drilling the well.

10. TIMING

The drilling and evaluation of this well is estimated to be 25 days. Anticipated spud date is 6-1-90.

EXHIBIT "A"
BLOWOUT PREVENTER

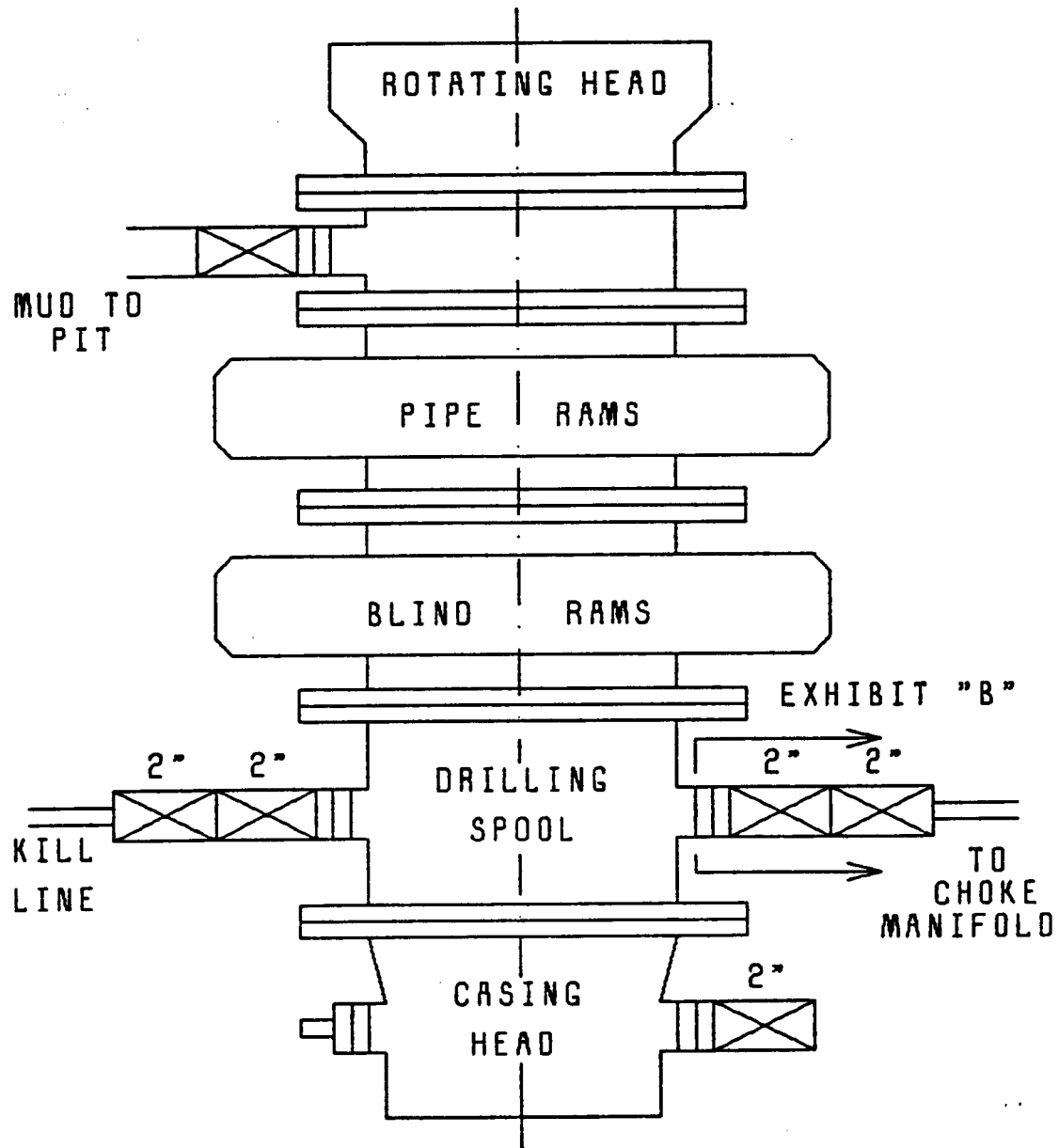
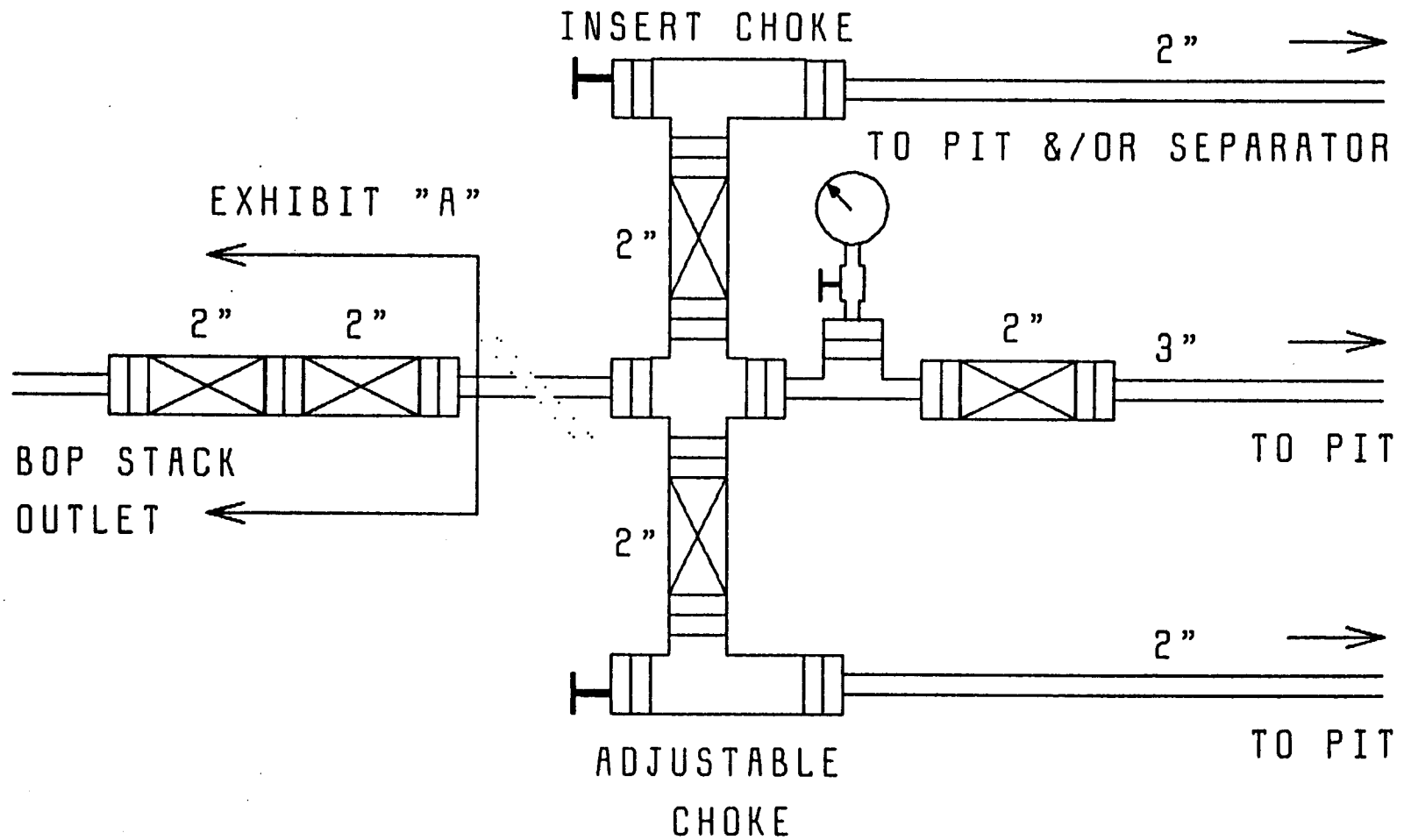


EXHIBIT "B"
CHOKE MANIFOLD



DETAILED DRILLING PROGRAM

DATE: March 9, 1990

WELL NAME: Runway 10G WELL NO.: 1

LOCATION: Section 10, Township 40S, Range 25E
1450' FNL, 2180' FEL
San Juan County, Utah

ELEVATION: 5,242' GR

TOTAL DEPTH: 7,642'

PROJECTED HORIZON: Primary target is Upper Ismay at 5,812'.
Secondary target is Lower Ismay at 5,937'.
Secondary target is Desert Creek at 6,042'.

DRILLING, CASING AND CEMENTING PROGRAM

1. Move in and rig up rotary tools. Notify BLM of time of spud and intent to run surface casing.
2. Drill mouse hole and rat hole. Mix mud prior to spudding well.
3. Drill 12 1/4" hole to \pm 500'. Use fresh water gel/lime spud mud for drilling surface hole. Well bore inclination is not to exceed 1 at 500'. Deviation surveys will be run at least at 250' and at casing point.
4. Run 8 5/8", 24 lb/ft, K-55, STC casing to TD. Cement with 371 sx (427 ft³) of Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake (sufficient slurry volume to circulate cement to surface).
5. W.O.C. a minimum of 4 hours prior to nipping up BOP stack and related equipment. See BOP schematics for details.
6. Pressure test BOP to 2,000 psi for 30 minutes. Pressure test manifold and all related equipment to 2,000 psi. Pressure test casing to 1,500 psi for 30 min.
7. Drill out surface casing with 7 7/8" bit. Drill 7 7/8" hole to \pm 5,900'. Deviation surveys are to be taken every 500' or on a bit trip, whichever occurs first. Maximum allowable deviation will be 5 at TD, with the maximum allowable rate of change to be 1/100'.

8. Break over fresh water mud to saturated salt water, starch, salt gel system. Ensure conversion is complete and mud is conditioned prior to drilling into the Akah at $\pm 6,150'$. Drill and survey to TD.
9. Run open hole logs and evaluate. Drill stem testing will be as per the wellsite geologist's recommendation.
10. If the well is determined to be productive, run 5 1/2" casing, as detailed in 10-Point Drilling Plan, to TD. Set stage cementing collar at $\pm 4,300'$. Cement in two stages as per cementing program in 10-point Drilling Plan.
11. Nipple down BOPE. Set 5 1/2" casing slips and cut off casing. Install well head. Release drilling rig and move rig off location.
12. If well is non-productive it will be plugged and abandoned as per State, BLM and Navajo Tribal stipulations.

Runway 10G Well No. 1
Section 10, Township 40S, Range 25E
1450' FNL, 2180' FSL
San Juan County, Utah

GENERAL COMPLETION PROCEDURE

If the well is determined to be productive, move in completion rig. Perforate, acidize, and test each productive porosity zone. Completion work will commence after Sundry Notice approval is received. Detailed procedures will follow.

PLUGGING AND ABANDONMENT

If the well is determined not to be productive, the well bore will be plugged as per BLM, State and Navajo Tribal requirements.

Runway 10G Well No. 1
Section 10, Township 40S, Range 25E
1450' FNL, 2180' FSL
San Juan County, Utah

SURFACE USE PLAN

1. EXISTING ROADS

Shown on the attached topographic map are the existing roads in the immediate area. Outlined is the route to be followed on the Hovenweep road. Existing roads will be maintained, as necessary, while operations are in progress.

2. PLANNED ACCESS ROAD (SHOWN IN RED)

The access road will be as shown on the attached topographic map. The road will be flat bladed, constructed 14' in width and will be maintained as necessary to prevent excessive damage to the existing terrain. The road will be upgraded if commercial production is established. Approximately 1,000' of new road will be required to be constructed to the location pad.

3. LOCATION OF EXISTING WELLS & TANK BATTERIES

There are no other producing wells or facilities in the immediate area.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

No production facilities are presently in place. Should the well prove to be productive, facilities (tank battery etc) will be sited on the drilling location pad.

5. LOCATION & TYPE OF WATER SUPPLY

Water will be acquired from a private source. The water will be hauled from a flowing well permitted to Hay Hot Oil Inc., permitted under Water Right 09-1419, A60809.

6. SOURCE OF CONSTRUCTION MATERIALS

The need for additional construction materials is not anticipated. In the event that additional materials are required, they will be acquired either from private sources or with the approval of the Navajo Nation.

7. METHODS OF HANDLING WASTE MATERIAL

Trash will be contained on location in an enclosed bin. It will be hauled to an approved disposal site or burned on location if a burning permit is granted. The reserve pit will be lined, with an approved 7 mil liner, for containing drilling fluids. The pit will also be fenced. All drilling fluids, cuttings and chemical waste will be stored in the reserve pit. Liquid hydrocarbons will be stored in temporary storage tanks and hauled from location to approved sales facilities. The reserve pit will be emptied, back filled and restored to natural terrain status upon completion of drilling operations.

8. ANCILLARY FACILITIES

Chemical portable toilet facilities will be provided on location during drilling and completion operations. No camps or air strips are planned for this well.

9. WELL SITE LAYOUT

Attached is a surveyor's staking plat, cut and fill requirements and a schematic of the proposed rig layout.

10. PLANS FOR RESTORATION OF THE SURFACE

The location is laid out on a generally north south trend and will require up to 25' of cut in the reserve pit (up to 2' on the southern side of the location pad) up to 10' of fill in the south west corner. Top soil removed from the pad will be stored at the well site. A reserve pit will be built on terrain containing sparse native vegetation. After drilling operations are complete, drilling fluid in the reserve pit will be allowed to evaporate. All remaining fluid in the pit will be disposed of into an approved disposal site. The reserve pit will remain fenced during the evaporation and disposal process. The pit will then be covered and the topsoil will be returned to the disturbed area. The terrain will be returned as near to its original condition as possible. Following operations, rehabilitation seeding will be in accordance with APD/BLM/BIA stipulations. There are no residents in the immediate area of the site.

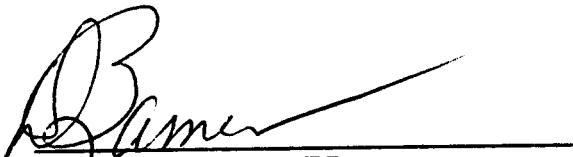
11.

OPERATORS REPRESENTATIVE

CHUSKA ENERGY COMPANY
315 NORTH BEHREND AVENUE
FARMINGTON, NEW MEXICO 87401
DONALD S. BARNES

12. CERTIFICATION

I hereby certify that either I, or persons under my direct supervision have inspected the proposed drill site and access route: that I am familiar with the conditions which presently exist: that the statements made in this plan are, to the best of my knowledge, true and correct and that the work planned will be performed by Chuska Energy, or its sub-contractors, in conformity with the terms and conditions under which it is approved.



DONALD S. BARNES
Operations Manager

CHUSKA ENERGY COMPANY

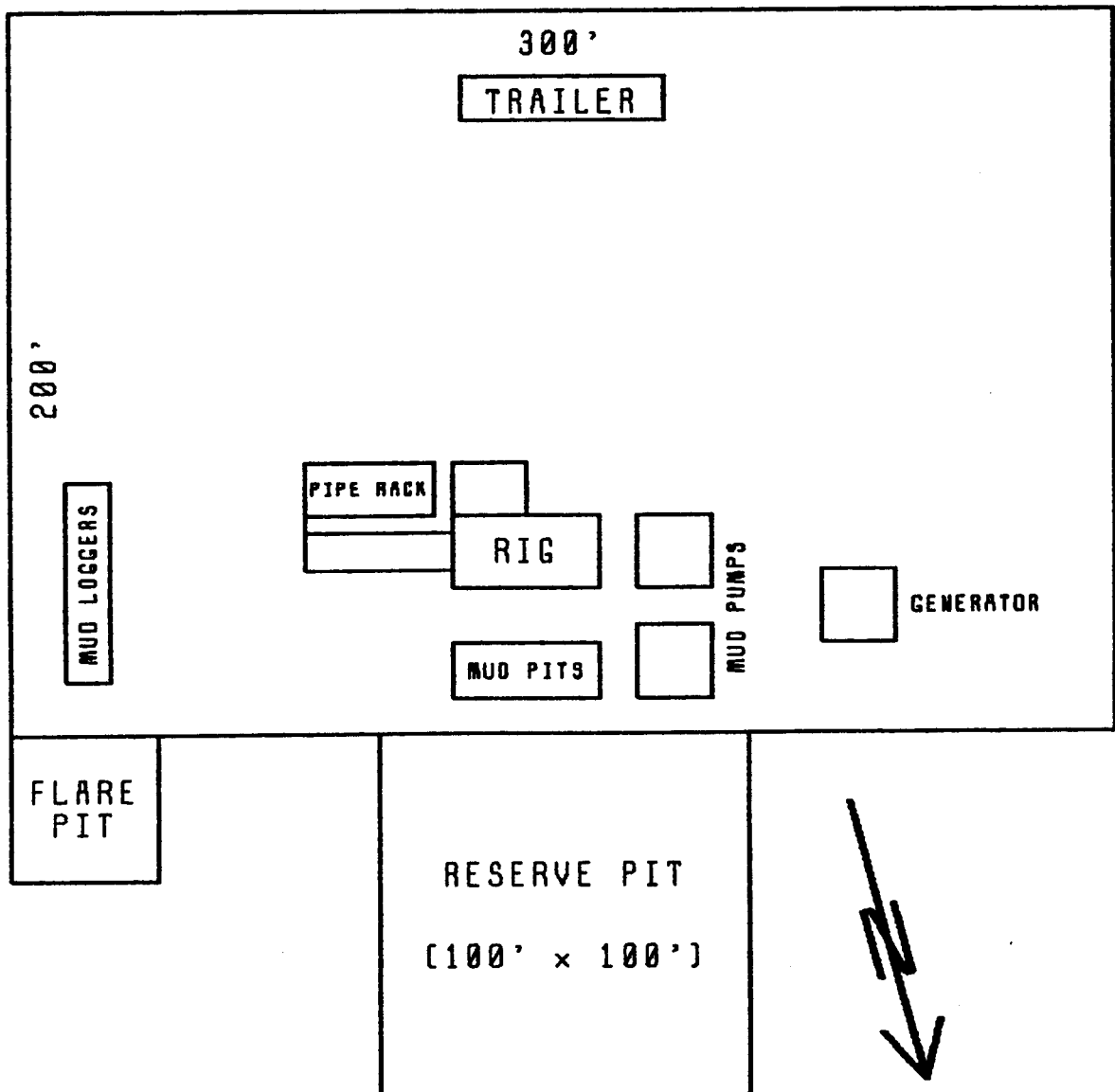
LOCATION LAYOUT

RUNWAY 10G-1

1450, FNL, 2100' FEL

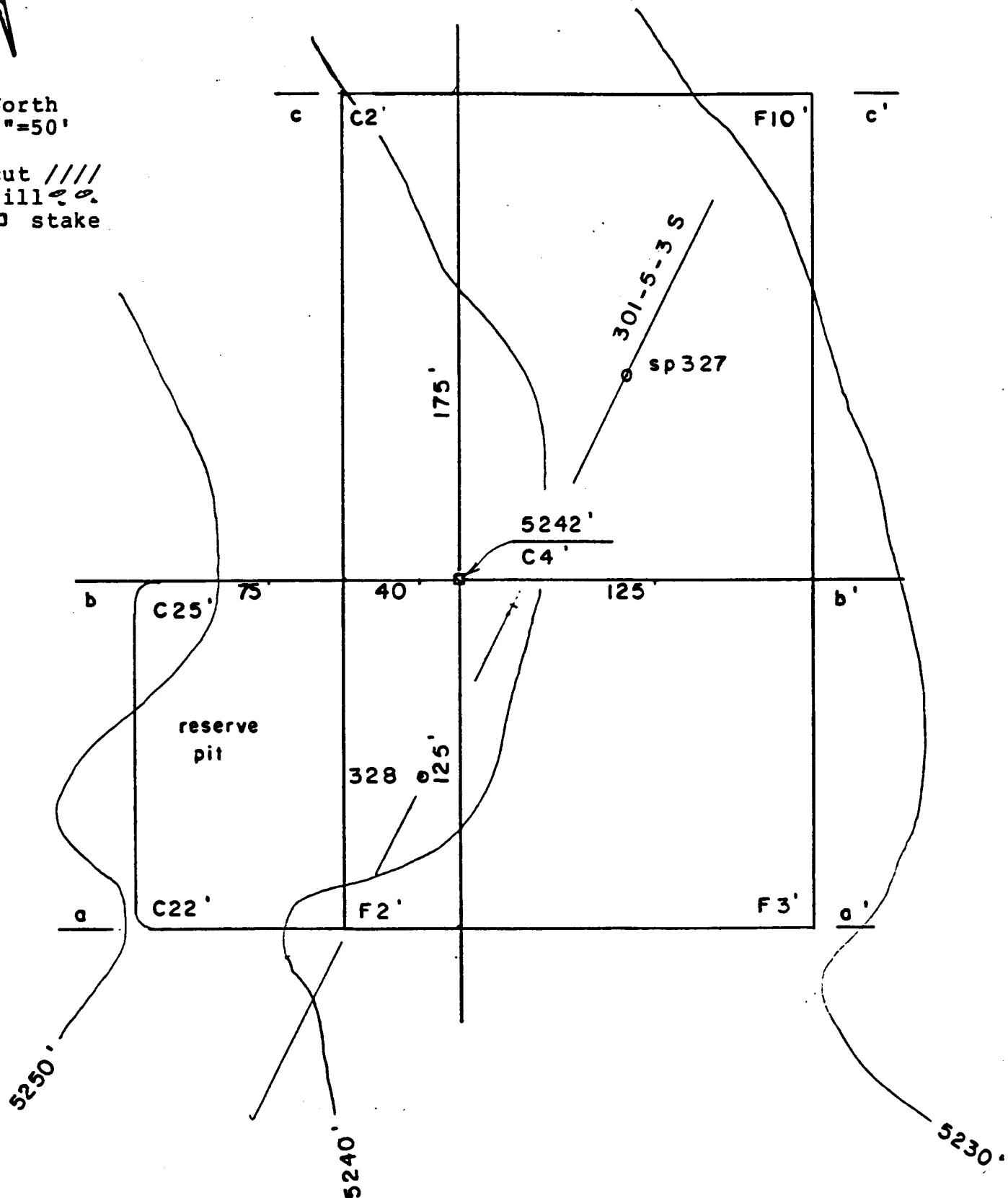
SECTION 10, TOWNSHIP 40S, RANGE 25E

SAN JUAN COUNTY, UTAH



Runway 10 - G - 1

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cut ///
fill  .  .
  stake
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Cut ////
Fill ==

Cross Section

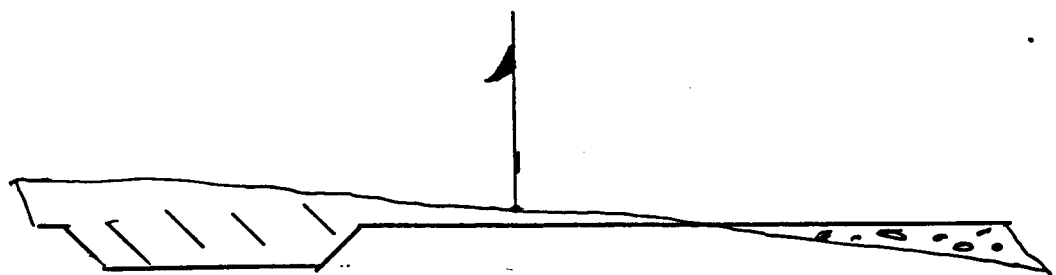
Runway 10 - G - 1

1"=50' Horz. & Vert.



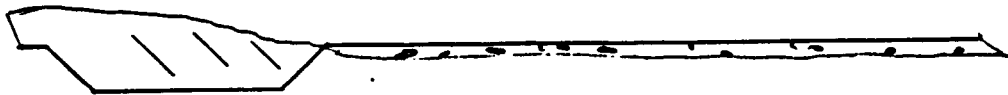
c

c'



b

b'



a

a'

RUNWAY

-G-1

R 25 E

PROGRAM 3

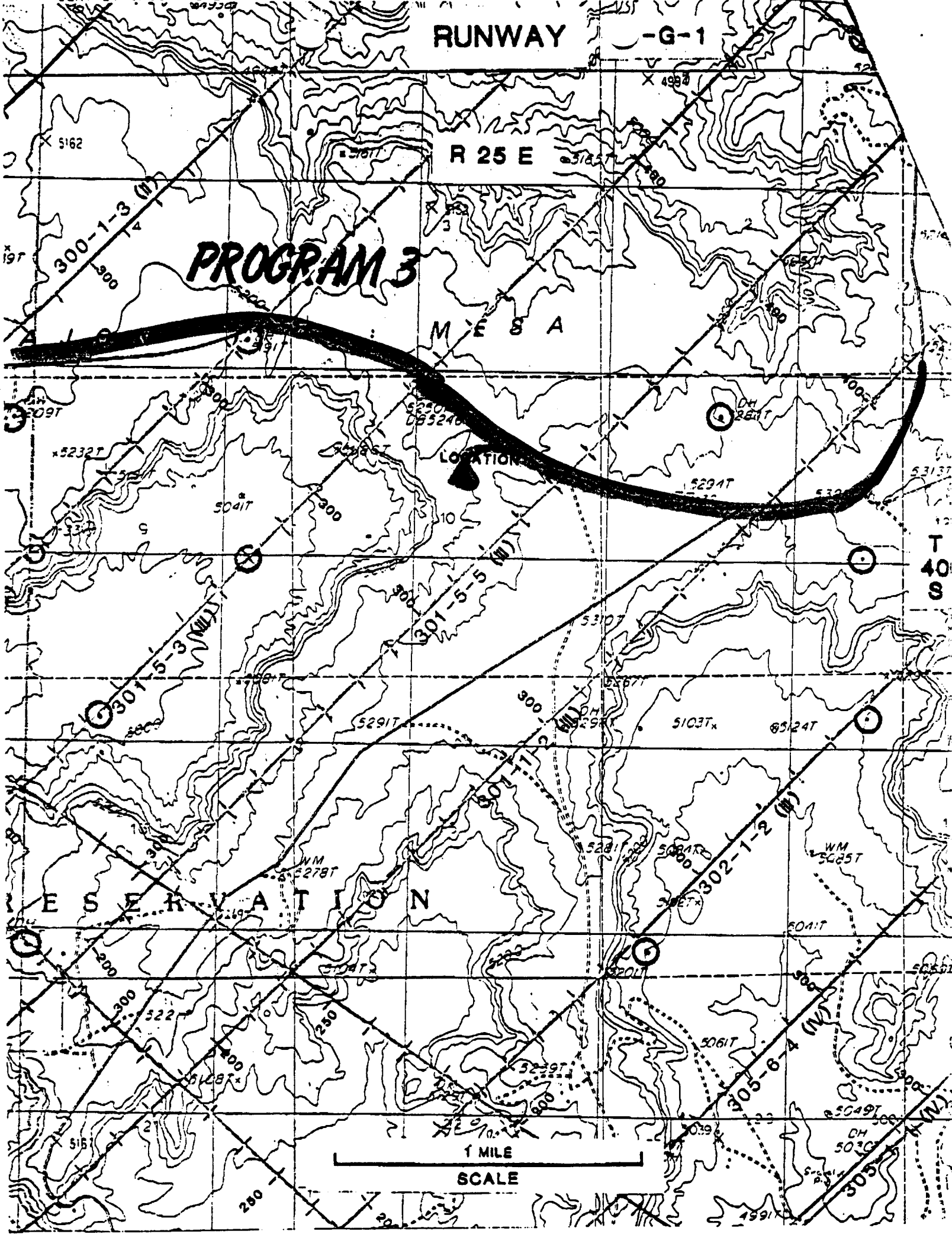
MESA

LOCATION

T 40 S

RESERVATION

1 MILE
SCALE



STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

-
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
-
3. APPROXIMATE DATE PROJECT WILL START:
6-1-90
-
4. AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Governments
-
5. TYPE OF ACTION: ☐ Lease ☒ Permit ☐ License ☐ Land Aquisition
☐ Land Sale ☐ Land Exchange ☐ Other _____
-
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
-
7. DESCRIPTION:
Chuska Energy Company proposes to drill a wildcat well, the Runaway 10G #1, on Navajo Tribal lease number NOG 8702-1116 in San Juan, County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S. Bureau of Land Management or the Bureau of Indian Affairs is the primary administrative agency in this case and must issue approval to drill before operations can commence.
-
8. LAND AFFECTED (site location map required) (indicate county)
SW/4 NE/4, Section 10, Township 40 South, Range 25 East, San Juan County, Utah
-
9. HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED?
Unknown
-
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
Degree of impact is based on the discovery of oil or gas in commercial quantities.
-
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
Glenn Goodwin, Monticello, 587-2561
-
12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
John Baza
PHONE: 538-5340
DATE: 3/16/90
Petroleum Engineer
-



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

March 13, 1990

RECEIVED
MAR 15 1990

DIVISION OF
OIL, GAS & MINING

Chuska Energy Company
Attn: Donald S. Barnes, Operations Manager
315 North Behrend
Farmington, New Mexico 87401

Re: 1) Barnes 18M Well #1: SW4SW4 Sec. 18, T40S, R25E, SLB&M
2) East Rim 15L Well #2: NW4SW4 Sec. 15, T40S, R25E, SLB&M
3) Finger Mesa 15P Well #1: SE4SE4 Sec. 15, T40S, R25E, SLB&M
4) NW Cajon 1I Well #1: NE4SE4 Sec. 1, T40S, R24E, SLB&M
5) Runway 10G Well #1: SW4NE4 Sec. 10, T40S, R25E, SLB&M

Dear Mr. Barnes:

This letter will serve as authorization from this Division to proceed with the drilling at the five noted locations. It is understood that the drilling and maintenance water will be hauled to the sites by Hay Hot Oil Inc. under their existing water right 09-1419 (A60809). It is also noted on your request that 1.0 acre feet of water will be required at each location.

If you have any questions concerning this matter, please feel free to contact me.

Sincerely,

Mark P. Page
Area Engineer

cc: ✓ Lisha Romero, Div. of Oil, Gas & Mining
Jerry Howell, Hay Hot Oil Inc.

MPP/mjk



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

RECEIVED

MAR 12 1990

WATER RIGHTS
PRICE

March 9, 1990

RECEIVED
MAR 15 1990

DIVISION OF
OIL & GAS

State of Utah
Water Rights Division
P.O. Box 718
Price, Utah 84501-0718

Attn: Mr Mark Page

Ref: Water Use Permits:

Barnes	18M	Well No. 1	SDSW	18 40 25
East Rim	15L	Well No. 2	NWSD	15 40 25
Finger Mesa	15P	Well No. 1	SESE	15 40 25
NW Cajon	11	Well No. 1	NESE	1 40 24
Runway	10G	Well No. 1	SWNE	10 40 25

Dear Mr Page

Chuska Energy Company proposes to drill the subject wells commencing in late May/early June. We intend to haul water in tank trucks, utilizing Hay Hot Oil Service who will obtain water from their artesian well, details of which are as follows:

1050' FNL, 1575' FWL
S27 T40S R23E
San Juan County, Utah

Permit No: 09-1419 (A60809)

Anticipated water requirements are 1.0 acre-feet per well. Site locations are as detailed in the attached topographic map and staking plats.

Please advise if you require any further information.

Sincerely yours

Donald S. Barnes
Operations Manager

DSB/cswH

File: C:\WP\CSWH\BARN18M1\WATER

encl.

RUNWAY

-G-1

R 25 E

PROGRAM 3

MESA

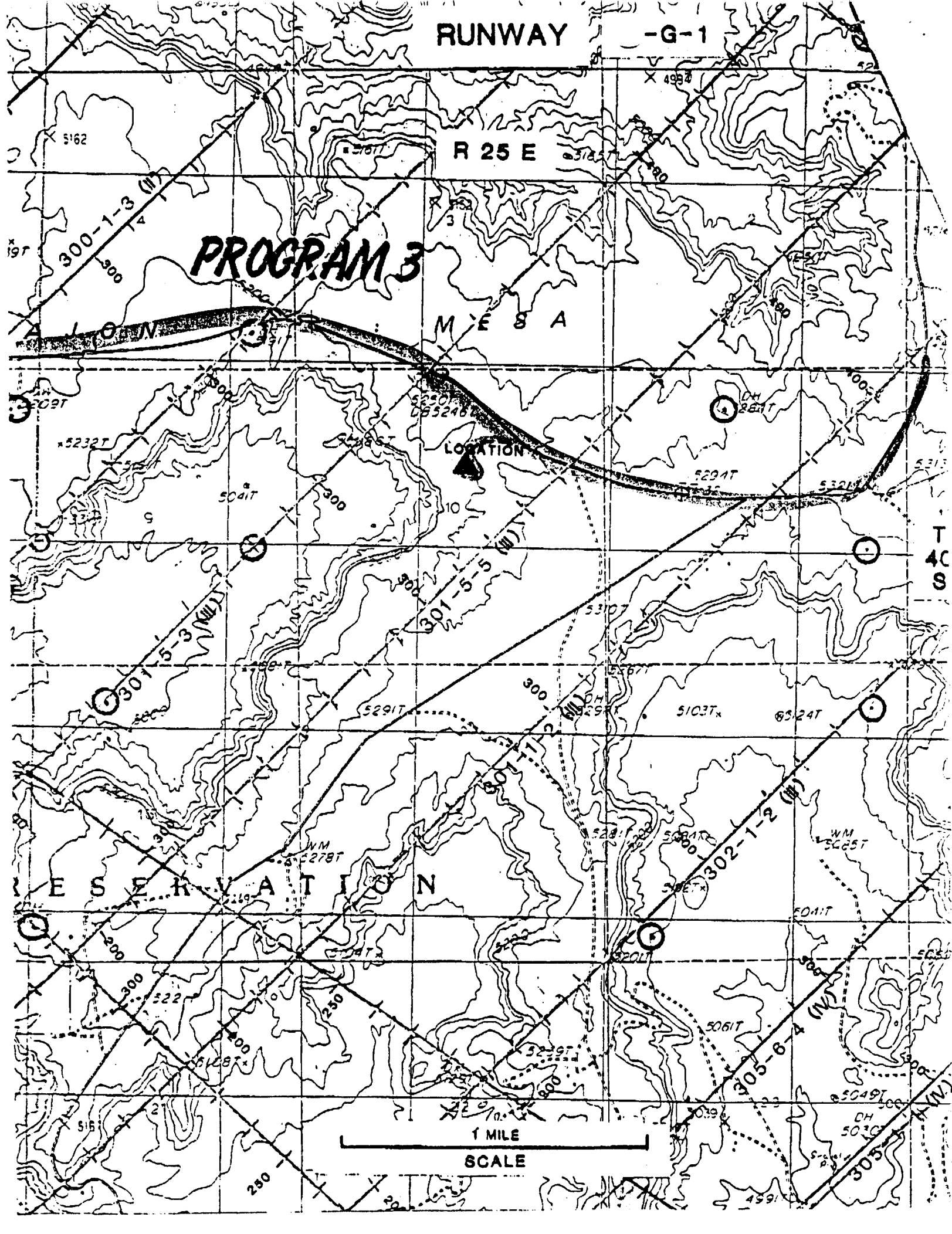
LOCATION

T 40 S

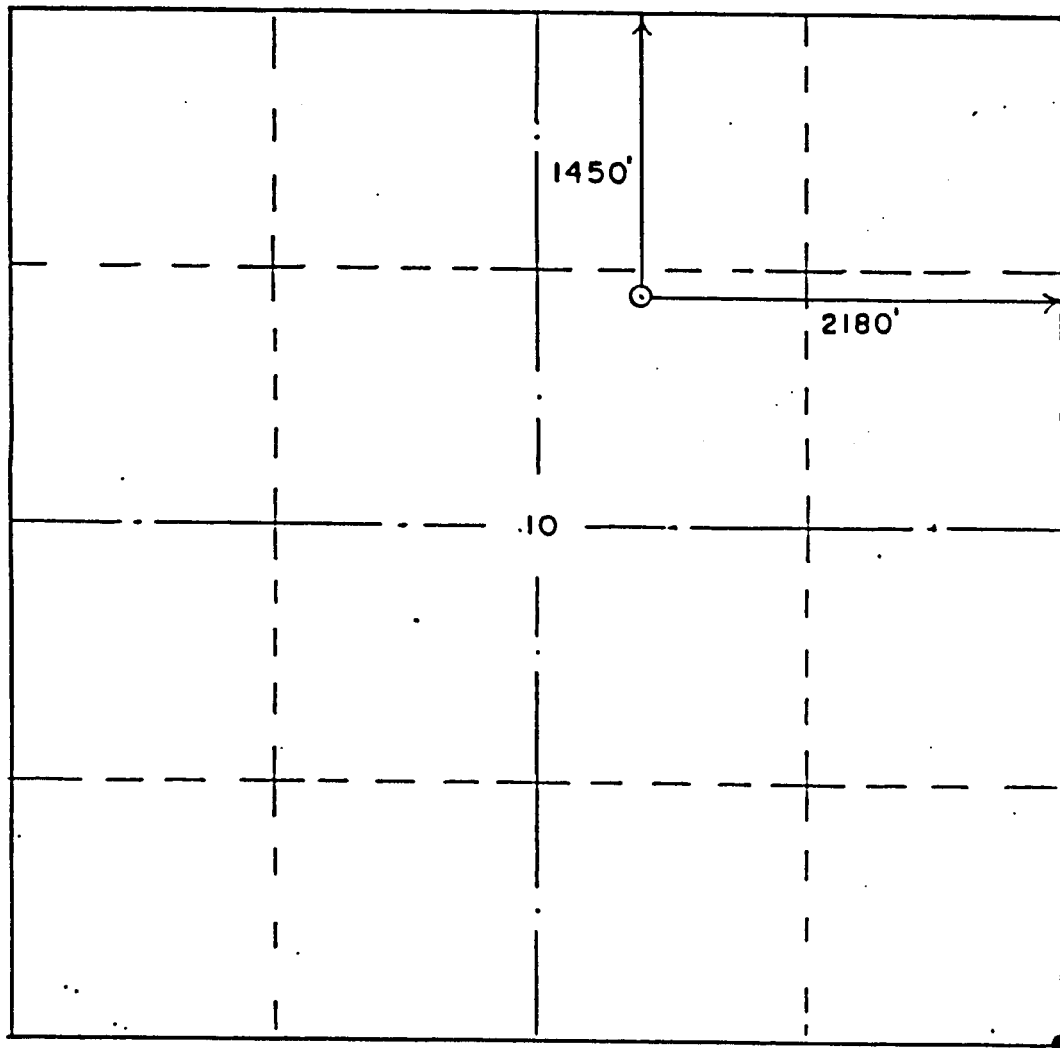
RESERVATION

1 MILE

SCALE



WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:

Chuska Energy Company, Runway 10 - G - 1
1450'FNL & 2180'FEL

Section 10, T.40 S., R.25 E., SLM

San Juan County, Utah

5242' ground elevation

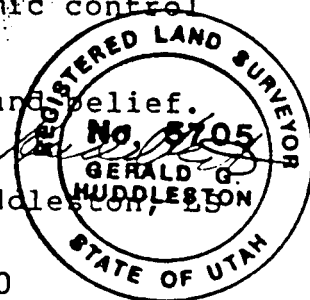
State plane : $x = 2,681,277.$ $y = 248,876.$

plus or minus 5', based on existing seismic control

The above plat is true and correct my knowledge and belief.

5 March 1990

Gerald G. Huddleston, L.S.



213 East Montezuma Avenue • Cortez, Colorado 81321 • 303-565-3330

OPERATOR Chuska Energy Company (N9290) DATE 3-13-90

WELL NAME Runway 106 #1

SEC S2NE 10 T 40S R 25E COUNTY San Juan

43-037-31515
API NUMBER

Indian (2)
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST WELL

☒ LEASE

☒ FIELD

☒ POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920'
Water Permit 09-1419 / A60809 (Hay Hat Oil, Inc.)
Exception location requested
RDCC 3-15-90 / Process 3-30-90
Loc. chg. received 4-4-90. 1450' FNL, 2180' FEL to 1710' FNL, 2450' FEL

APPROVAL LETTER:

SPACING: ☐ R615-2-3 N/A
UNIT

☐ R615-3-2

☐ N/A
CAUSE NO. & DATE

☒ R615-3-3

STIPULATIONS:

CC: BIA



Norman H. Bangarter
Governor
Max J. Evans
Director

State of Utah

Division of State History
(Utah State Historical Society)
Department of Community and Economic Development

300 Rio Grande
Salt Lake City, Utah 84101-1182
801-533-5755

RECEIVED
APR 02 1990

March 29, 1990

DIVISION OF
OIL, GAS & MINING

Mr. John Baza
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Application for Permit to DRill, Runaway 10G #1, Navajo Lease NOG 8702-1116

In Reply Please Refer to Case No. 90-0380

Dear Mr. Baza:

The Utah State Historic Preservation Office received information on the project referenced above on March 26, 1990. No prehistoric or historic sites have been recorded within the project area because no cultural surveys have been conducted. A high potential for finding cultural resources exists in the project area because there are a number of sites identified within the general area, but outside of the project area.

It is your responsibility, as required by the Department of Housing and Urban Development, to determine the need for further actions, such as field surveys or records searches to identify historic properties. If you choose to do this, or if previously unidentified historic properties are encountered during the course of the project, we will be glad to comment on your evaluation of historic properties against the National Register criteria (36 CFR 60.4) should any historic structures or sites be found.

We will also assist in applying the criteria of effect as outlined in 36 CFR 800.5 and 800.9 to those properties found to be eligible for or listed on the National Register.

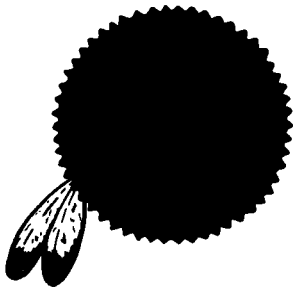
This information is provided on request to assist the Division of Oil, Gas and Mining, as required by the Department of Housing and Urban Development, in meeting the Section 106 requirements of the National Historic Preservation Act of 1966. If you have questions or need additional assistance, please contact me at (801) 533-7039.

Sincerely,

for Dave Shue
James L. Dykman
Regulation Assistance Coordinator

JLD:90-0380/8668V OR/

c: RDCC



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

RECEIVED
APR 04 1990

DIVISION OF
OIL, GAS & MINING

April 2, 1990

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

Ref: Sundry Notice: Runway 10G-1: Move Location/Change Name

Gentlemen

Attached for your examination and approval is the original and two copies of the subject Sundry Notice. The site for the subject well is being moved due to a combination of detection of a surveying error and enhanced seismic interpretation.

Please advise if you require additional information concerning this application. Chuska will greatly appreciate your prompt consideration.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw
File: C:\WP\CSWH\RUNWAY.10G\MOVESUN.CVR

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MININGRECEIVED
APR 04 1990

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		2. LEASE DESIGNATION & SERIAL NO. NOG 8702-1116	
3. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN ALLOTTEE OR TRIBE NAME Navajo Tribal	
4. ADDRESS OF OPERATOR 315 North Behrend, Farmington, New Mexico 87401		7. UNIT AGREEMENT NAME	
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1450' FNL, 2180' FEL Same SWNE		8. FARM OR LEASE NAME Runway 106	
9. WELL NO. 1		10. FIELD AND POOL, OR WILDCAT Wildcat (001)	
11. SEC. T. R. & M. OR BLK. AND SURVEY OR AREA S10 T40S R25E		12. COUNTY San Juan	
13. ELEVATIONS (Show whether OF, AT, GR, etc.) 5,242' GR		14. STATE Utah	

15. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
APPROX. DATE WORK WILL START 6-1-90		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

As a result of detection of a surveying error and enhanced seismic interpretation, it has been necessary to move the location for this well. The new location details are as follows:

Old Location: 1450' FNL, 2180' FEL
Old Elevation: 5,242' GR

New Location: 1710' FNL, 2450' FEL
New Elevation: 5,219' GR

Refer to attachments: revised staking plat and 10-point drilling plan.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

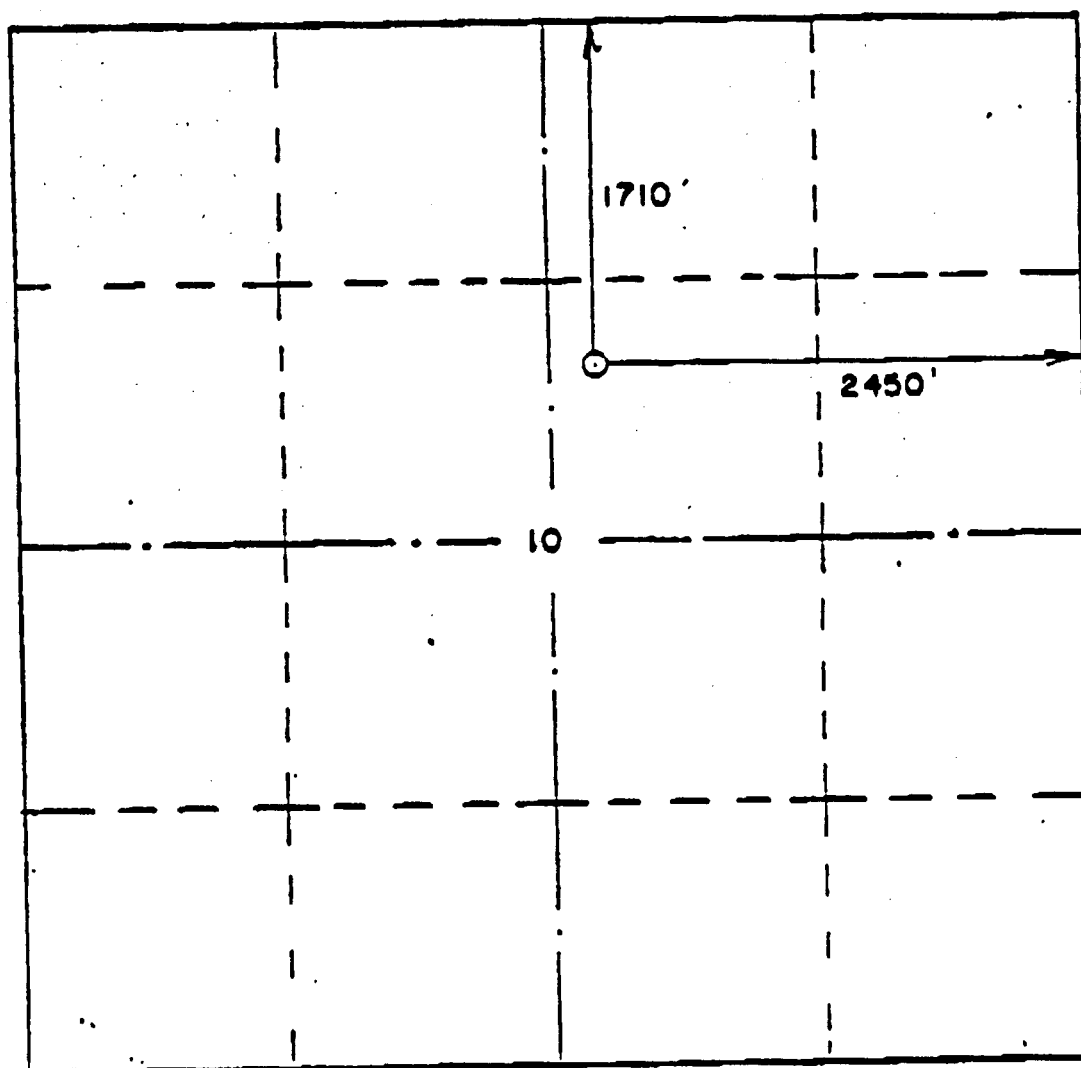
DATE: 4-6-90
By: John R. Dyer
WELL SPACING: 16/5-3-3

18. I hereby certify that the foregoing is true and correct

SIGNED <u>Donald S. Barnes</u>	TITLE <u>Operations Manager</u>	DATE <u>4-2-90</u>
(This space for Federal or State office use)		
APPROVED BY <u>43-032-31515</u>	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:

Chuska Energy Company, Runway 10 - G - 1

1710' FNL & 2450' FEL

Section 10, T.40 S., R.25 E., SLM

San Juan County, Utah

5219' ground elevation

State plane : x = 2,680,999

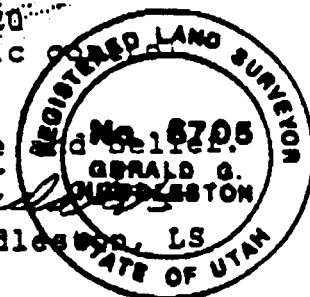
y = 248,620

plus or minus 5', based on existing seismic

The above plat is true and correct to my knowledge

2 April 1990

Gerald G. Huddleston, LS



213 East Montezuma Avenue • Cortez, Colorado 81321 • 303-565-3330

CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

Runway 10G Well No. 1
Section 10, Township 40S, Range 25E
1710' FNL, 2450' FSL
San Juan County, Utah

1. SURFACE FORMATION

Geological name of surface formation: Dakota/Burro Canyon

2. ELEVATION

Surface elevation is 5,219' GR.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>
Surface	Dakota/Burro Canyon	+ 5242'
1249'	Navajo	+ 3970'
1844'	Chinle	+ 3375'
2984'	DeChelly	+ 2235'
3094'	Organ Rock	+ 2125'
3784'	Cedar Mesa	+ 1435'
4899'	Hermosa	+ 320'
5789'	Upper Ismay	- 570' Primary Target
5914'	Lower Ismay	- 695' Secondary Target
6019'	Desert Creek	- 800' Secondary Target
6119'	Akah	- 900'
6593'	Barker Creek	- 1374'
7364'	Mississippian	- 2145'
7619'	Total Depth	- 2400'

4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Surface	500'	8 5/8"	24.0 ppf	K-55	STC
Production:	7,619'	5 1/2"	See detailed program below		

Detailed production string (5 1/2"):

<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
0' - 40'	20.0 ppf	L-80	LTC
40' - 5,990'	15.5 ppf	K-55	LTC
5,990' - 6,770'	20.0 ppf	L-80	LTC
6,770' - 7,619'	17.0 ppf	K-55	LTC

Surface Cementing:

371 sx (427 ft³) Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Slurry volume will be calculated at 100% excess over annular volume.

Production Cementing:

First Stage

TD to 4300' (stage collar @ ± 4300'). Lead with 255 sx Class 'G' cement, 65:35 Pozmix, with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 586 ft³.

Second Stage

4300' to surface. Lead with 346 sx Class 'G' cement, 65:35 Pozmix with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 755 ft³.

Note: Exact slurry volumes for the production string will be adjusted according to the caliper log which will be run prior to cementing. Special adjustments may be necessary if significant amounts of salt are drilled.

5. BLOWOUT PREVENTER (See attached schematics)

As abnormal pressure is not anticipated, a 2000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, a 3000 psi system will be used, as per the attached Exhibits "A" and "B". This will be a 10" x 900 Series double ram preventer, equipped with a set of pipe and blind rams.

An accumulator system, with a pressure capacity sufficient to operate the rams three complete cycles without rig power, will be required as part of the rig equipment.

6. PROPOSED MUD PROGRAM

Surface to 3500'

Fresh water, gel, lime and native solids. Weight 8.3 - 8.7 ppg. Gel/lime sweeps as necessary for hole cleaning.

3500' to 5900'

Low solids, non-dispersed polymer system. Weight 8.6 - 8.8 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs.

5900' to TD

Saturated salt water, starch, salt gel. Weight 10.0 - 10.5 ppg, viscosity 35 - 40 sec/qt. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs. Mud system to be fully converted and conditioned prior to drilling into the Akah at \pm 6,120'.

7. AUXILIARY EQUIPMENT

- A. A kelly cock will be installed during drilling operations, with handle available on the rig floor.
- B. Floor (stabbing) valves will be available, on the rig floor at all times, with necessary subs to fit all of the drilling assemblies.
- C. Mud will be the circulating fluid. No abnormal formation pressures are expected.

8. WELL EVALUATION

Open hole electric logging program will consist of a minimum program of DLL-MSFL-SP-GR-Cal, FDC-CNL-GR-Lithodensity from TD to 4000'.

Drill stem testing will be as per the wellsite geologist's recommendations, based on shows. A mud logging unit will be utilized during drilling operations from 4000' to TD.

9. ABNORMAL PRESSURES/GAS



Abnormal pressures are not anticipated. Monitoring of gas and hydrocarbon shows will be by wellsite mud logging unit. H₂S gas is not anticipated, however regular checks will be made while drilling the well.

10. TIMING

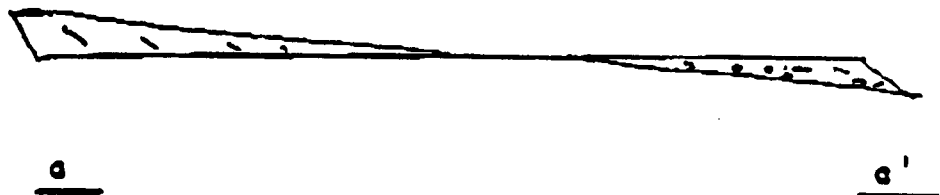
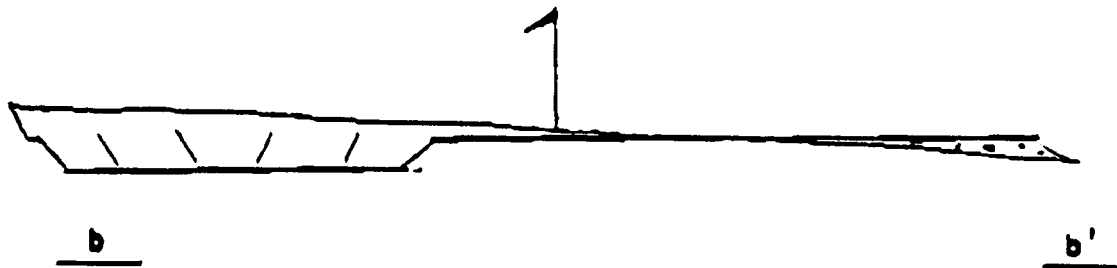
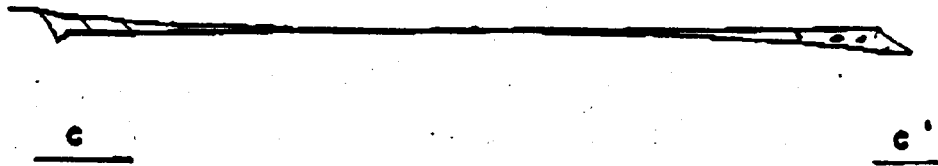
The drilling and evaluation of this well is estimated to be 25 days. Anticipated spud date is 6-1-90.

Cross Section

Runway 10 - G -

Cut 
Fill 

1"=50' Horz. & Vert.

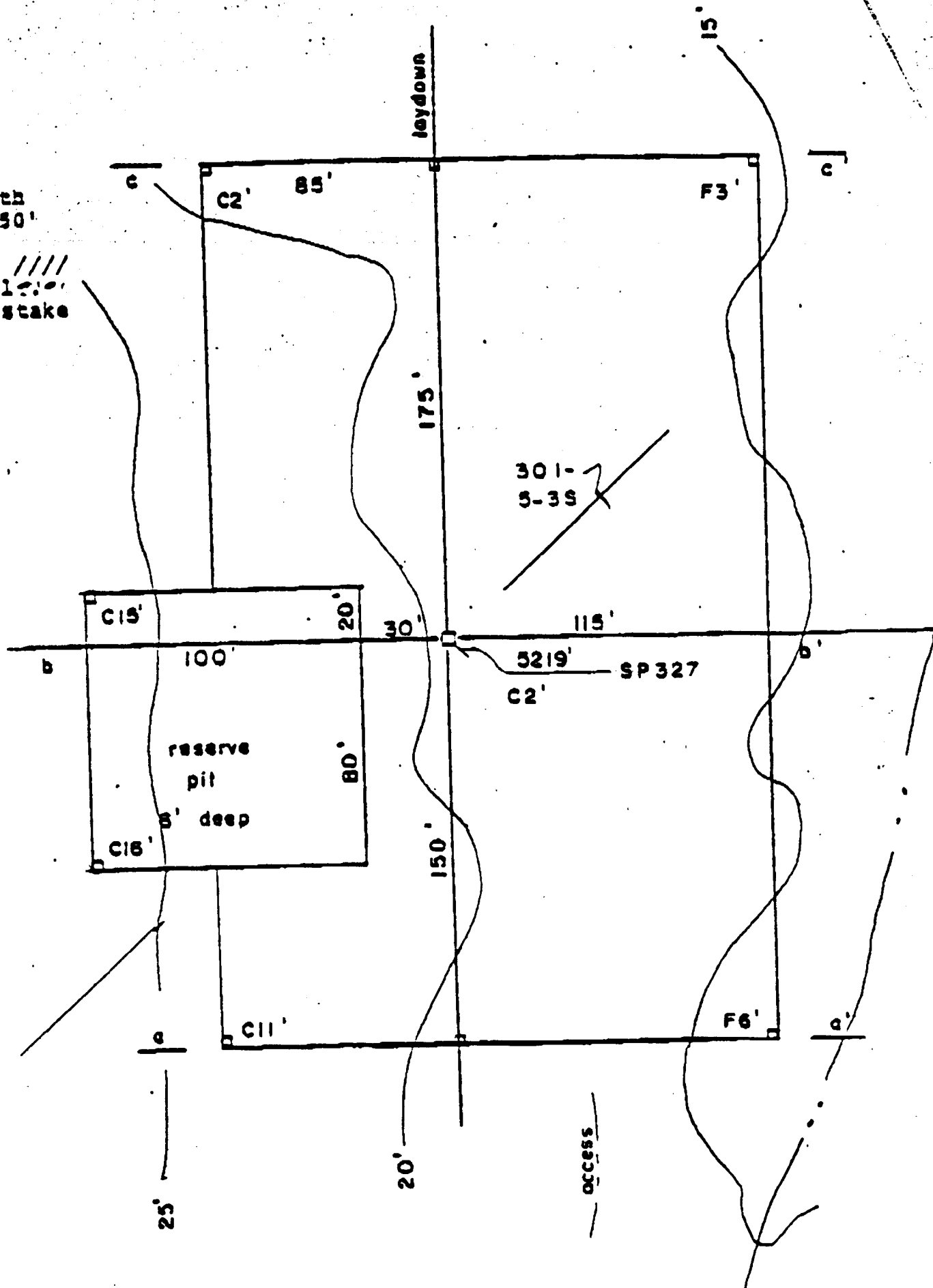


Plan View Sketch

Runway 10 - G

North
1"=50'

cut ///
fill - - -
□ stake



SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

HAROLD JACOBS
Chairman

WILLIAM D. HOWELL
Executive Director

P. O. Drawer A1 • Price, Utah 84501 • Telephone 637-5444

AREAWIDE CLEARINGHOUSE A-95 REVIEW

NOI ___ Preapp ___ App ___ State Plan ___ State Action X Subdivision ___ (ASP # 4-322-1)

Other (indicate) _____ SAI Number UT900319-070

Applicant (Address, Phone Number):

Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Federal Funds:

Requested: _____

Title:

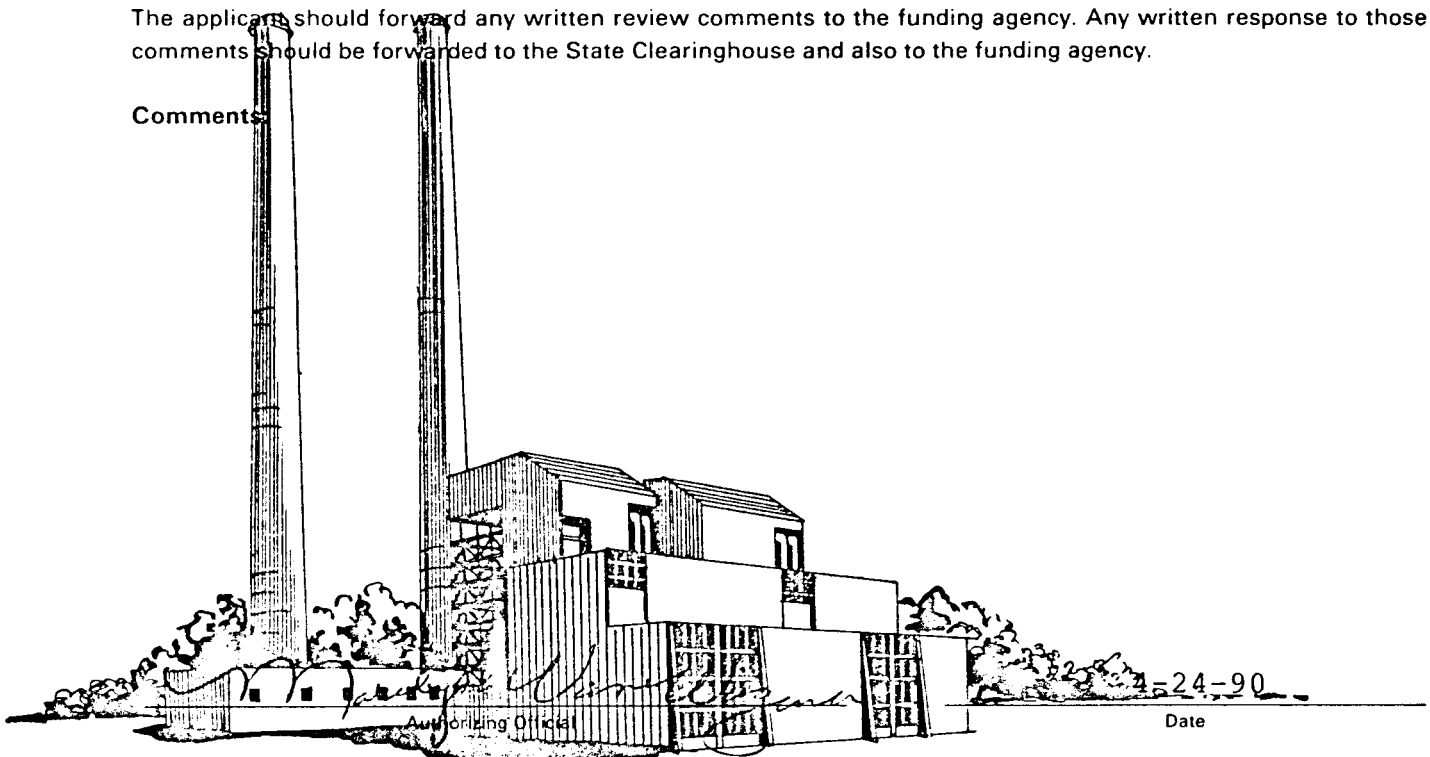
APPLICATION FOR PERMIT TO DRILL (Runaway 10G #1)

405 25 E Sec. 10 43-037-31515

- ☒ No comment
☐ See comments below
☐ No action taken because of insufficient information
☐ Please send your formal application to us for review. Your attendance is requested ☐

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments:



REGIONAL CLEARINGHOUSE



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

April 6, 1990

Chuska Energy Company
315 North Behrend
Farmington, New Mexico 87401

Gentlemen:

Re: Runway 10G #1 - SW NE Sec. 10, T. 40S, R. 25E - San Juan County, Utah
1710' FNL, 2450' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules.

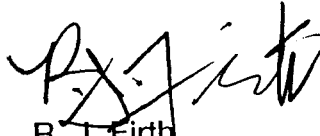
In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31515.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. Firth', with a stylized flourish at the end.

R. J. Firth
Associate Director, Oil & Gas

lcr
Enclosures
cc: Bureau of Land Management *4 BIA*
D. R. Nielson
J. L. Thompson
WE14/22-23

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API NO. 43-037-31515

NAME OF COMPANY: CHUSKA ENERGY

WELL NAME: RUNWAY 10-G #1

SECTION SWNE 10 TOWNSHIP 40S RANGE 25E COUNTY SAN JUAN

DRILLING CONTRACTOR AZTEC

RIG # 222

SPUDDED: DATE 5/25/90

TIME 11:30 p.m.

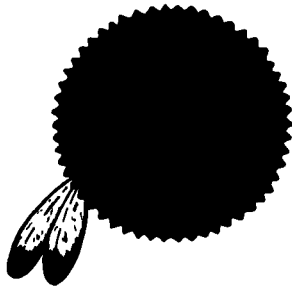
HOW ROTARY

DRILLING WILL COMMENCE

REPORTED BY LARRY SESSIONS

TELEPHONE # 505-326-5525

DATE 5/29/90 SIGNED TAS TAKEN BY: JLT



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

RECEIVED
JUN 04 1990
DIVISION OF
OIL, GAS & MINING

May 30, 1990

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

RE: Entity Action - Spud - Runway 10 G 1

Gentlemen:

Enclosed you will find the original and two copies of the above-referenced Entity Action.

Please advise if you require any additional information.

Sincerely,

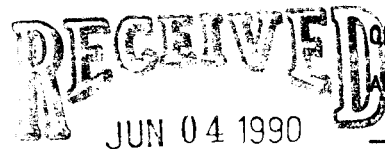
H. Merle Myers

H. MERLE MYERS
Vice President of Production

HMM:bnp
Enclosures
File:HMM\ENTACTRU.10G

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6



OPERATOR Chuska Energy Company
ADDRESS P. O. Box 780
Farmington, New Mexico 87499

OPERATOR ACCT. NO. N9290

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11105	43-037-31515	Runway 10 G#1	SW/NE	10	40S	25E	San Juan	5-25-90	
WELL 1 COMMENTS: Spud 12 1/4" hole with Aztec Well Servicing Rig #222 at 2230 hours on 5-25-90											
WELL 2 COMMENTS: Indian Lease Field-Wildcat Unit-N/A Proposed Zone - mssp (New Entity 11105 added 6-7-90) <i>lg</i>											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

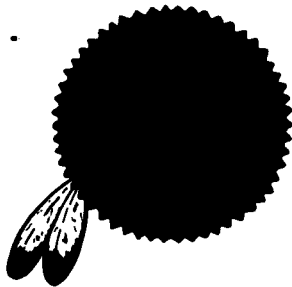
ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Larry Session
Signature Larry G. Session
Operations Manager
Title 5-30-90
Date
Phone No. ()



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

RECEIVED

JUN 04 1990

DIVISION OF
OIL, GAS & MINING

May 30, 1990

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

RE: Sundry Notice - Spud - Runway 10 G 1

Gentlemen:

Enclosed you will find for your examination and approval the original and two copies of the above-referenced Sundry Notice.

Please advise if you require any additional information.

Sincerely,

H. Merle Myers

H. MERLE MYERS
Vice President of Production

HMM:bnp
Enclosures
File:HMM\SUNRUNWY.10G

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. LEASE DESIGNATION & SERIAL NO.

NOG 8702 - 1116

6. IF INDIAN ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Runway 10 G

9. WELL NO.

10. FIELD AND POOL OR WILDCAT

Wildcat

11. SEC. T. R. M. OR BLM AND SURVEY OR AREA

Sec. 10, T40S, R25E

12. COUNTY

San Juan

13. STATE

Utah

1. OIL WELL ☐ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Chuska Energy Company

3. ADDRESS OF OPERATOR

P. O. Box 780, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

See also space 17 below.)

At surface

1710' FNL, 2450' FEL

At proposed prod. zone

14. API NO.

API #43-037-31515

15. ELEVATIONS (Show whether OF, AT, GR, etc.)

5219' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) Spud

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

X

APPROX. DATE WORK WILL START

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Chuska Energy Company spud the Runway 10 G 1 at 2230 hours on 5-25-90.

Aztec Well Service Rig #222 will be the drilling contractor for this well.

Notified the office of the BLM and Mr. Jim Thompson of the state of Utah of the rig move and spud.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2-JLT	
3-MICROFILM	
FILE 5-30-90	

18. I hereby certify that the foregoing is true and correct

SIGNED

LARRY G. SESSIONS

TITLE Operations Manager

(This space for Federal or State office use)

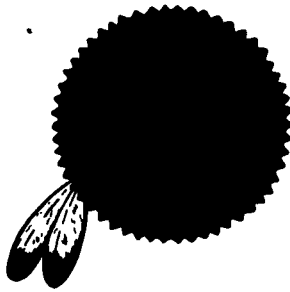
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

13 June 1990

RECEIVED
JUN 21 1990

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

Ref: Sundry Notice - Runway 10G-1: Production Casing

Gentlemen

attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this application.

Sincerely,

Larry G. Sessions

Larry G. Sessions
Operations Manager

LGS/csw

File: C:\WP\CSWH\RUNWAY.10G\PRODNCSG.SUN

OIL AND GAS	
OPN	RT
JO	CH
DTS	RE
LIME	
2-	CHENOPAN ✓
2-	PLS

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		1. LEASE DESIGNATION & SERIAL NO. NOG 8702-1116
2. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal
3. ADDRESS OF OPERATOR P.O. Box 780, Farmington, New Mexico 87499		7. FARM OR LEASE NAME Runway 10G
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1710' FNL, 2450' FEL At proposed prod. zone Same		8. WELL NO. 1
14. API NO. 43-037-31515		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether OF, AT, GR, etc.) 5219' GR		11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA S10 T40S R25E
12. COUNTY San Juan		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Production Casing</u> <input checked="" type="checkbox"/>	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION <u>6-8-90</u>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Ran 141 jts 5-1/2", 15.5 #/ft, K-55 LTC casing and landed at 6021'.
(Casing equipped with shoe, float collar and stage collar at 3474')

Cemented 1st stage with 1090 sx Class 'G' with 0.6% D60 and 1/4 lb/sk Celloflake. Plug down at 2215 hrs, 6-7-90.

Cemented 2nd stage:

Lead: 923 sx 65:35 Poz with 6% Gel and 0.25% D29

Tail: 100 sx Class 'G' with 2% CaCl2

Plug down at 0730 hrs, 6-8-90. Circulated 48 bbl slurry to pit.

18. I hereby certify that the foregoing is true and correct

SIGNED <u><i>Christopher DW Hill</i></u>	TITLE <u>Petroleum Engineer</u>	DATE <u>6-13-90</u>
<small>(This space for Federal or State office use)</small>		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

LEASE DESIGNATION SERIAL NO.
NOG 8702-1116

SUNDRY NOTICES AND REPORTS ONLY

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal	
2. NAME OF OPERATOR Chuska Energy Company		7. UNIT AGREEMENT NAME Runway 106	
3. ADDRESS OF OPERATOR P.O. Box 780, Farmington, New Mexico 87499		8. FARM OR LEASE NAME Runway 106	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1710' FNL, 2450' FEL		9. WELL NO. 1	
10. FIELD AND POOL, OR WILDCAT Wildcat		11. SEC. T. R. M. OR BLM. AND SURVEY OR AREA S10 T40S R25E	
12. COUNTY San Juan		13. STATE Utah	
14. API NO. 43-037-31515		15. ELEVATIONS (Show whether OF, AT, GR, etc.) 5219' GR	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION 5-27-90

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Drilled 12-1/4" hole to 523'.

Ran 13 jts 8-5/8", 24 #/ft, K-55 casing with shoe and float.
Landed at 516'.

Cemented with 375 sx Class 'G' with 2% CaCl₂ & 1/4 lb/sk Celloflake.

Plug down 0115 hrs, 5-27-90. Circulated 25 bbl cement to surface.

18. I hereby certify that the foregoing is true and correct.

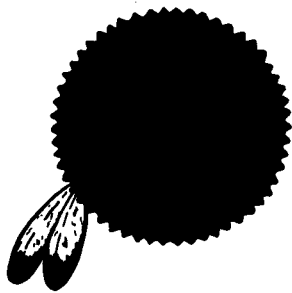
SIGNED Christopher SW Hill TITLE Petroleum Engineer DATE 6-13-90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

RECEIVED
JUN 21 1990
DIVISION OF
OIL, GAS & MINING

RECEIVED
JUN 21 1990
DIVISION OF
OIL, GAS & MINING

13 June 1990

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

Ref: Sundry Notice - Runway 10G-1: Set Surface Casing

Gentlemen

attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this application.

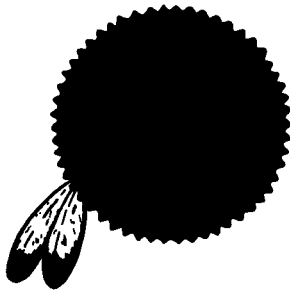
Sincerely,

Larry G. Sessions

Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP\CSWH\RUNWAY.10G\SURFCSG.SUN

OIL AND GAS	
MIN	RJF
PH	GLH
LES	SLB
1-DME	
2-MICROFILM	
2-FEB	



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

RECEIVED
JUN 28 1990

25 June 1990

DIVISION OF
OIL, GAS & MINING

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

Ref: Sundry Notice - Runway 10G-1: First Sale of Oil

Gentlemen

attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this application.

Sincerely,

Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP\CSWH\RUNWAY.10G\1STOIL.SUN

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.
NOG 8702-1116

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill or to deepen or plug back into a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

JUN 28 1990

2. NAME OF OPERATOR

Chuska Energy Company

DIVISION OF
OIL, GAS & MINING

8. FARM OR LEASE NAME
Runway 10G

3. ADDRESS OF OPERATOR

P.O. Box 780, Farmington, New Mexico 87499

9. WELL NO.
1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)

1710' FNL, 2450' FEL

10. FIELD AND POOL, OR WILDCAT
Paradox

At surface

At proposed prod. zone

Same

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

S10 T40S R25E

14. API NO.

43-037-31515

15. ELEVATIONS (Show whether OF, RT, GR, etc.)

5219' GR

12. COUNTY

San Juan

13. STATE
Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

REPAIRING WELL

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) First Sale of Oil

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START

DATE OF COMPLETION

6-15-90

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Report of first sale of oil to Giant Refining Company on June 15, 1990.

Pretest of Desert Creek zone.

Test, through 24/64" choke, at 917 BOPD, 991 Mcfd. FTP = 690 psig.

Oil gravity = 42.6° API.

OIL AND GAS		API	SG	DTS	1-527	2-10000	3-10000
API	SG	DTS	1-527	2-10000	3-10000		
API	SG	DTS	1-527	2-10000	3-10000		
API	SG	DTS	1-527	2-10000	3-10000		
API	SG	DTS	1-527	2-10000	3-10000		
API	SG	DTS	1-527	2-10000	3-10000		
API	SG	DTS	1-527	2-10000	3-10000		
API	SG	DTS	1-527	2-10000	3-10000		

18. I hereby certify that the foregoing is true and correct.

SIGNED

Christopher SW HTT

TITLE

Petroleum Engineer

DATE

6-25-90

(This space for Federal or State office use)

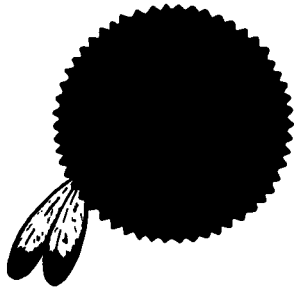
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

JUL 16 1990

DIVISION OF
OIL, GAS & MINING

12 July 1990

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

Ref: Completion Report: Runway 10G-1

Gentlemen

attached for your examination and approval is the original and two copies of the subject Completion Report.

Please advise if you require additional information concerning this submission.

Sincerely,

Larry G. Sessions

Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP\RUNWAY.10G\COMPLETE.SUN

OIL AND GAS	
DFN	RIF
1 JPB ✓	GLH
DIS	SLS
2-DmE	
3- MICROFILM	✓
4- FILE	

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
 b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ OTHER ☐

2. NAME OF OPERATOR

Chuska Energy Company

3. ADDRESS OF OPERATOR

P.O. Box 780, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements)

At Surface 1710' FNL, 2450' FEL

At top prod. interval reported below Same

At total depth Same

14. API NO.

43-037-31515

DATE ISSUED

4-6-90

5. LEASE DESIGNATION AND SERIAL NO.

NGB 8702-1116

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

FARM OR LEASE NAME

Runway 10G

WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Paradox

11. SEC., T., R., N.E. OR BLOCK AND SURVEY OR AREA

S10 T40S R25E

12. COUNTY

San Juan

13. STATE

Utah

15. DATE SPUNDED

5-25-90

16. DATE T.D. REACHED

6-6-90

17. DATE COMPL. (Ready to prod.)

7-11-90 (Plus & Add.)

18. ELEVATIONS (OF, REQ, ST, OR ETC.)

5219' GR

19. ELEV. CASINGHEAD

5219' GR

20. TOTAL DEPTH, NO &

6204' MD

21. PLUG BACK T.D., NO & TVD

6153'

22. IF MULTIPLE COMPL.,

HOW MANY
N/A

23. INTERVALS

DRILLED BY

ROTARY TOOLS

Rotary

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (NO AND TVD)

6042' - 6104': Desert Creek

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Microlog/GR, DLI/MSFL/GR/Cal, BHC sonic, MSCT

WAS WELL CORED YES ☐ NO ☒ (Submit analysis)DRILL STEM TEST YES ☐ NO ☒ (See reverse side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (NO)	MOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	516	12 1/4"	375 sx 'G' + 2% CaCl ₂ + 1 lb/sx Celloflake	
5 1/2"	15.5	6201	7 7/8"	St 1: 1090 sx 'G' + 0.6% D60 + 1 lb/sx Celloflake	
				St 2: Lead: 923 sx 65:35 Poz + 6% Gel + 0.25% D29	
				Tail: 100 sx 'G' + 2% CaCl ₂	

29. LINER RECORD

SIZE	TOP (NO)	BOTTOM (NO)	SACKS CEMENT	SCREEN (NO)	SIZE	DEPTH SET (NO)	PACKER SET (NO)
					2 7/8"	5916'	5916'
							5884'

31. PERFORATION RECORD (Interval, size and number)

6086' - 6104': 0.5" @ 4 spf = 72 holes
 6042' - 6068': 0.5" @ 2 spf = 52 holes
 5896' - 5906': 0.5" @ 2 spf = 20 holes
 Reperf 5896' - 5906': 0.5" @ 2 spf = 20 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (NO)	AMOUNT AND KIND OF MATERIAL USED
6086' - 6104'	3600 gal 28% HSR100
6042' - 6068'	5200 gal 28% HSR100
5896' - 5906'	2000 gal 28% HSR100
5896' - 5906'	250 28% HSR100/4000 28% gelled acid

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut in)	
6-14-90		Flowing				Suspended	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - HCF.	WATER - BBL.	GAS-OIL RATIO
6-24-90	24	24/64"	→	825	895	0	1085
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - HCF.	WATER - BBL.	OIL GRAVITY-API (CORR.)	
640		→	825	895	0	43.2°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

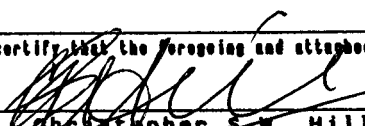
TEST WITNESSED BY

Kiva Measurement

35. LIST OF ATTACHMENTS

35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED



TITLE

Petroleum Engineer

DATE

12 July, 1990

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

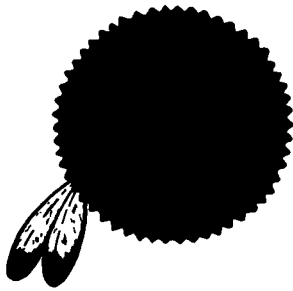
ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instructions for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES				38. GEOLOGIC MARKERS			
Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut in pressures, and recoveries.				Description, contents, etc.	Name	Top	
Formation	Top	Bottom	Meas. Depth			True Vert. Depth	
Ismay Desert Creek Desert Creek	5896 6042 6086	5906 6068 6104	Dolomite, Tr Anhydrite, sl Limy. Good sucrosic porosity. Dolomite with Anhydrite. Sucrosic, intercrystalline porosity. Limestone. Vugular/sucrosic porosity.	Cutler Hermosa Upper Ismay Hovenweep Lower Ismay Gothic Desert Creek Chimney Rock Akah T.D.	3124 4920 5816 5931 5933 5980 6004 6156 6170 6204		



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

5 September, 1990

RECEIVED
SEP 10 1990

DIVISION OF
OIL, GAS & MINING

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

Ref: Sundry Notice: Runway 10G-1 Well

Gentlemen

Attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this submission.

Sincerely,

Larry G. Sessions

Larry G. Sessions
Operations Manager

LGS/csw

File: C:\WP51\RUNWAY.10G\VENTSUN2.CVR

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back. Use "APPLICATION FOR PERMIT--" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NOG 8702-1116	
2. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal	
3. ADDRESS OF OPERATOR P.O. Box 780, Farmington, New Mexico 87499		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1710' FNL, 2450' FEL		8. FARM OR LEASE NAME Runway 10G	
At proposed prod. zone Same		9. WELL NO. 1	
14. PERMIT NO. 43-037-31515		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. ELEVATIONS (Show whether OF, RT, GR etc.) 5,219' GR		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S10 T40S R25E	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
(Other) Vent Gas for Testing	
APPROX. DATE WORK WILL START 9-6-90	

SUBSEQUENT REPORT OF:	
WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) _____	
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form)	
DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

As per telephone conversation between Tom McCarthy and Ken Townsend on 9-4-90, verbal approval was received to flare gas from the Runway 10G-1 well from 9-6-90 to 10-6-90.

OIL AND GAS	
DFN	RJF
JPB <input checked="" type="checkbox"/>	GLH
DIS	SLS
2-DIME <input checked="" type="checkbox"/>	
3-MICROFILM <input checked="" type="checkbox"/>	
4-FILE <input checked="" type="checkbox"/>	

18. I hereby certify that the foregoing is true and correct

SIGNED Tom B. McCarthy
(This space for Federal or State office use)

TITLE Sr Reservoir Engineer

DATE 5 September, 1990

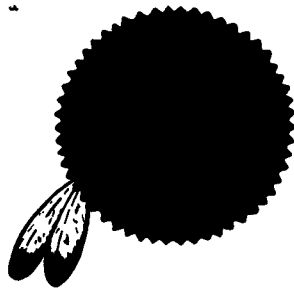
APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9-12-90

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

RECEIVED
AUG 09 1990

DIVISION OF
OIL, GAS & MINING

August 7, 1990

State of Utah
Division of Oil, Gas & Mining
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

ATTENTION: John R. Baza

RE: Extended Flaring and Testing
Runway 10G 1

Dear Mr. Baza:

Attached is a Sundry Notice requesting variance from NTL-4A for testing the captioned well.

Please contact Tom McCarthy if you wish to discuss this matter further.

Sincerely,

H. Merle Myers

H. MERLE MYERS
Vice President of Production

HMM:bnp
Enclosure
File:TRM\SUNNTL4A

OIL AND GAS	
CLN	RIF
2-JRR ✓	GLH
DES	SLS
1-DME ✓	
3-DME ✓	
4- MICROFILM ✓	
5- FILE	

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill or to deepen or plug back a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

NOG 8702-1116

IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

UNIT AGREEMENT NAME

AUG 09 1990

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		2. NAME OF OPERATOR Chuska Energy Company		3. ADDRESS OF OPERATOR P.O. Box 780, Farmington, New Mexico 87499		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1710' FNL, 2450' FEL		5. LEASE DESIGNATION AND SERIAL NO. NOG 8702-1116		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal		7. UNIT AGREEMENT NAME	
14. PERMIT NO. 43-037-31515		15. ELEVATIONS (Show whether OF, RT, OR etc.) 5,219' GR		12. COUNTY OR PARISH San Juan		13. STATE Utah		8. FARM OR LEASE NAME Runway 10G		9. WELL NO. 1		10. FIELD AND POOL, OR WILDCAT Wildcat	
At proposed prod. zone		Same		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA S10 T40S R25E									

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
(Other) Vent Gas for Testing	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form)

APPROX. DATE WORK WILL START 8/7/90

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Chuska Energy proposes to conduct an extended production test from today to 9/6/90. Test results will enable calculation of economics for installation of casinghead gas lines to the well.

This venting was verbally approved in a telephone conversation between Tom McCarthy and Ken Townsend on 8/7/90, for a 2 week period. After analysis subsequent to that conversation, Chuska now proposes a 4 week test period to more fully evaluate stability of gas flow rates.

18. I hereby certify that the foregoing is true and correct

SIGNED Tom McCarthy TITLE Sr Reservoir Engineer DATE 7 August, 1990

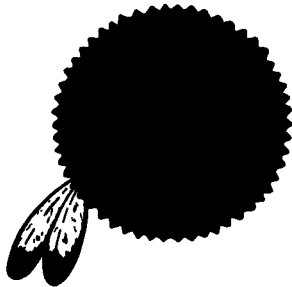
(This space for Federal or State office use)

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 8-16-90BY John R. DayAPPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action
is required before commencing
operations.

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

RECEIVED
OCT 11 1990

8 October, 1990

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

Ref: Sundry Notice: Runway 10G-1 Well - First Sale of Gas

Gentlemen

Attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this submission.

Sincerely,

Larry G. Sessions
Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\RUNWAY.10G\1GASSUN.CVR

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back.
Use "APPLICATION FOR PERMIT--" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NOG 8702-1116	
2. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 780, Farmington, New Mexico 87499		7. FARM OR LEASE NAME Runway 10G	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1710' FNL, 2450' FEL		9. WELL NO. 1	
At proposed prod. zone Same		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO. 43-037-31515		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA S10 T40S R25E	
15. ELEVATIONS (Show whether OF, RT, GR etc.) 5,219' GR		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) First Sale of Gas ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION 10-5-90

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

First sale of gas from this well occurred at 2030 hrs, 10-5-90.

OIL AND GAS	
DFN	RJF
J-B	GLH
D/S	SLS
1-DME	
2	MICROFILM
2	FILE

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Petroleum Engineer

DATE 8 October, 1990

(This space for Federal or State Office use)

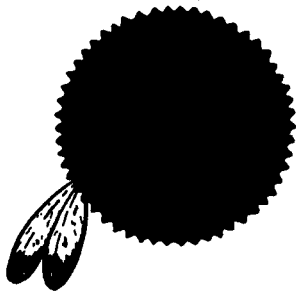
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

1775 SHERMAN STREET - SUITE 1800 • DENVER, COLORADO 80203 • PHONE: (303) 863-7021
FAX #: (303) 863-7210

May 17, 1991

Ms. Vicki Kearney
Utah Oil & Gas Commission
355 West North Temple
Three Triad Center
Suite 350
Salt Lake City, Utah
84180-1203

Dear Ms. Kearney:

Please keep all Chuska Energy Company data confidential until further notice.

Thanks,

Herbert P. Mosca
Chuska Staff Geologist

RECEIVED

MAY 20 1991

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

NOG 8702-1116

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Runway 10G-1

9. API Well No.

43-037-31515

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1710' FNL & 2450' FEL

Section 10-Township 40S-Range 25E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Workover

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Converted flowing well to pumping well on 7/1/93.

RECEIVED

OCT 13 1993

ACCEPTED BY THE STATE DIVISION OF
OF UTAH DIVISION OF OIL, GAS & MINING
OIL, GAS, AND MINING

DATE: 10-14-93

BY:

14. I hereby certify that the foregoing is true and correct

Signed: *Ray A. Whelan*

Title: Operations Manager

Date: 7-7-93

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Tax credit 10/29/93

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1710' FNL & 2450' FEL
Section 10-Township 40S-R2E3

5. Lease Designation and Serial No.

NOG 8702-1116

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA. Agreement Designation

8. Well Name and No.

Runway 10G-1

9. API Well No.

43-037-31515

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☒ Altering Casing
☐ Other Workover
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Propose to convert flowing well to pumping well on or about 7-1-93.

RECEIVED

OCT 13 1993

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DIVISION OF
OIL, GAS & MINING

DATE: 10-14-93

BY: J. Matthews

14. I hereby certify that the foregoing is true and correct

Signed

Title

Operations Manager

Date

5/10/93

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 1 of 3

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

LARRY G SESSIONS
 CHUSKA ENERGY COMPANY
 3315 BLOOMFIELD HWY
 FARMINGTON NM 87401

UTAH ACCOUNT NUMBER: N9290REPORT PERIOD (MONTH/YEAR): 12 / 93AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
116-1 NAVAJO TRIBAL								
✓4303715390	00545	41S 25E 31	DSCR					
NAVAJO TRIBAL 23-13								
✓4303730971	09420	40S 24E 13	DSCR					
NAVAJO TRIBAL 42-2								
✓4303731017	09425	42S 24E 2	DSCR					
NAVAJO TRIBAL 24-13								
✓4303730970	09435	40S 24E 13	DSCR					
NAVAJO TRIBAL 41-2								
✓4303731041	09437	42S 24E 2	DSCR					
NAVAJO TRIBAL #32-26								
✓4303731060	09990	40S 22E 26	DSCR					
NAVAJO TRIBAL 14-10								
✓4303730977	10130	40S 24E 10	DSCR					
SAHGZIE NO. 1								
✓4303731472	11032	42S 24E 5	DSCR					
ANASAZI #1								
✓4303731478	11042	42S 24E 5	DSCR					
CAJON MESA 8-D-1								
✓4303731497	11074	40S 25E 8	DSCR					
MONUMENT #8-N-2								
✓4303731509	11087	40S 25E 8	DSCR					
TOWER #1 I-2								
✓4303731507	11088	40S 25E 1	ISMY					
RUNWAY 10G #1								
✓4303731515	11105	40S 25E 10	DSCR					
TOTALS								

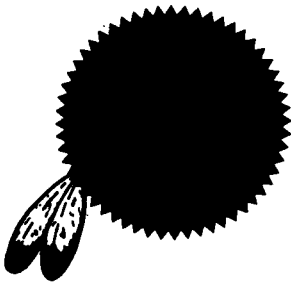
COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____



HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

We are pleased to announce that effective January 18, 1994, Chuska Energy Company, has changed its name to Harken Southwest Corporation. This is in line with the February 1993 merger with Harken Exploration Company.

Harken Southwest Corporation is still located at 3315 Bloomfield Highway, Farmington, New Mexico, 87401. You may still contact us at (505) 326-5525.

Please reflect this name change as necessary on all future correspondence.

Thank you for your assistance in this matter and we look forward to working with you as Harken Southwest Corporation.

Sincerely,

Barry A. Wieland
Operations Manager

RECEIVED

FEB 07 1994

DIVISION OF
OIL, GAS & MINING

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** _____

☐ **Suspense**
(Return Date) _____
(To - Initials) _____

☒ **Other**
Oper. Nm. Change

(Location) Sec _____ Twp _____ Rng _____
(API No.) _____

1. Date of Phone Call: 2-9-94 Time: 12:29

2. DOGM Employee (name) J. Cordova (Initiated Call ☒)
Talked to:

Name Wayne Townsend (Initiated Call ☐) - Phone No. (505) 599-8900
(or Ken Townsend)
of (Company/Organization) Btm / Farmington N.M.

3. Topic of Conversation: Chuska Energy Co. to Harken Southwest Corp.

4. Highlights of Conversation:

They have not rec'd doc. of name change. When they do receive doc. they
will most likely keep "Chuska" as operator yet mail any correspondence
% Harken, until BIA approval. (BIA approval may take a while!)

* 940210 Per Admin. OK to change.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-REC	7-SJ
2-DTS	8-FILE
3-VLC	
4-RJE	
5-LEO	
6-PL	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-18-94)

TO (new operator) <u>HARKEN SOUTHWEST CORPORATION</u>	FROM (former operator) <u>CHUSKA ENERGY COMPANY</u>
(address) <u>3315 BLOOMFIELD HWY</u>	(address) <u>3315 BLOOMFIELD HWY</u>
<u>FARMINGTON NM 87401</u>	<u>FARMINGTON NM 87401</u>
phone (505) <u>326-5525</u>	phone (505) <u>326-5525</u>
account no. <u>N 9290</u>	account no. <u>N9290</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>037-31515</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 2-7-94)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #096704.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-10-94)
- See 6. Cardex file has been updated for each well listed above. (2-10-94)
- See 7. Well file labels have been updated for each well listed above. (2-10-94)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: March 7 1994.

FILING

- Yes 1. Copies of all attachments to this form have been filed in each well file.
- Yes 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 07 1995

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

IF OIL, GAS & MIN

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Box 612007 Dallas, Texas 75261-2007 (214) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See Attached List

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

NAVAJO

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See Attached List

9. API Well No. 4303731547

See Attached List

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other Flaring during plant shut-down

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pursuant to the attached notice from Elkhorn Operating, Harken Southwest request permission to vent/flare all non-lease use gas from September 18, 1995 thru September 22, 1995 or until the Aneth Plant resumes operation.

Attached is a list of wells which will be affected by the plant shut down. The list is compiled in API number order.

Should any questions arise, please contact Mr. Richard Cottle, Farmington, New Mexico @ (505) 327-5531 or the undersigned.

cc: Navajo Nation
State of Utah

14. I hereby certify that the foregoing is true and correct

Signed

Title

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

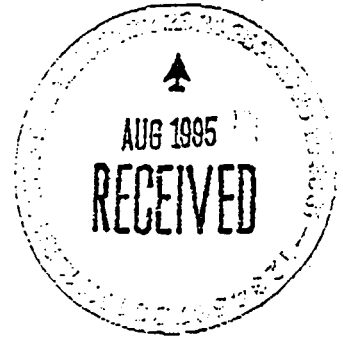
HARKEN SOUTHWEST CORPORATION

Request permission to flare/vent gas production on the following wells during the shut-down of the Aneth Plant Monday, September 18 thru Friday, September 22, 1995.

<u>Well Name</u>	<u>Sec-Twnshp-Rng</u>	<u>API Number</u>
Navajo Tribal 23-13	13-40S-24E	43-037-30971
Navajo Tribal 41-2	02-42S-24E	43-037-31041
Sahgzie #1	05-42S-24E	43-037-31472
Anasazi #1	05-42S-24E	43-037-31478
Cajon Mesa 8D-1	08-40S-25E	43-037-31497
Monument 8N-2	08-40S-25E	43-037-31509
Runway 10G-1	10-40S-25E	43-037-31515
Monument 17E	17-40S-25E	43-037-31547
Runway 10E-2	10-40S-25E	43-037-31550
Blue Hogan 1J-1	01-42S-23E	43-037-31562
Anasazi 5L-3	05-42S-24E	43-037-31572
Brown Hogan 1A-2	01-42S-23E	43-037-31573
Runway 10C-5A	10-40S-25E	43-037-31597
North Heron 35C	35-41S-25E	43-037-31616
Burro 31-I	31-41S-24E	43-037-31708
Jack 31G	31-41S-24E	43-037-31709
Mule 31M	31-41S-24E	43-037-31710
Big Sky 6E (6L)	06-42S-25E	43-037-31714
Hillside 6C-1	06-42S-25E	43-037-31721



ELKHORN OPERATING COMPANY
ANETH PLANT
P.O. BOX 70
MONTEZUMA CREEK, UTAH 84534
Memorandum



To: See Distribution List
From: Gene Gruette
Date: August 18, 1995
Subject: ANETH PLANT SHUTDOWN

Aneth Plant will be shut down on September 18, 1995 to make necessary repairs to the cooling tower, inspect and clean gas coolers, and repair other equipment which requires a plant shutdown.

We plan to have the plant started back up the afternoon of Friday, September 22, 1995.

Each operator will need to make whatever contacts with regulatory agencies and gas marketers, etc. they deem necessary.

Should you have questions, call the writer at (801)631-3254.

Field Names Advisory Committee Meeting

- X Reinstated Flat Canyon Field - to include all of Section 23-16S-6E, Emery County, East Mountain Unit 32-23 Well, Ferron Sandstone. 43-015-31031 FRSD
- X Extended Duchesne Field - to include SE SE, Section 3-4S-4W, Duchesne County, Ute Tribal 1-3D Well, Green River Pool. 43-013-31040 GRRV
- X New Field - Unnamed 24-4S-5W to include NW NW, Section 24-4S-5W, Duchesne County, CC Ute 1-24D Well, Green River Pool. 43-013-31034 GRRV
- X New Field - Ten Mile to include SW SW, Section 26-24S-17E, Grand County, Federal #1-26, Paradox Pool. 43-019-30028 PRDX
- X New Field - Tower to include NE SE, Section 1-40S-25E, San Juan County, Tower #11-2, Desert Creek Pool. 43-037-31507 TSMO
- X New Field - Cajon Mesa to include NW NW, Section 8-40S-25E, San Juan County, Cajon Mesa #8-D-1, Desert Creek Pool. 43-037-31497 DSCR
- X New Field - Monument to include SE SW, Section 8-40S-25E, San Juan County, Monument #8-N-2, Desert Creek Pool. 43-037-31509 DSCR
- X New Field - Runway to include SW NE, Section 10-40S-25E, San Juan County, Runway 10G #1, Desert Creek Pool. 43-037-31515 DSCR POW
- X Extended Rock House Field - to include SE SE, Section 18-11S-23E, Uintah County, Marble Mansion Unit #1, Wasatch Pool. 43-047-31805 WSTC

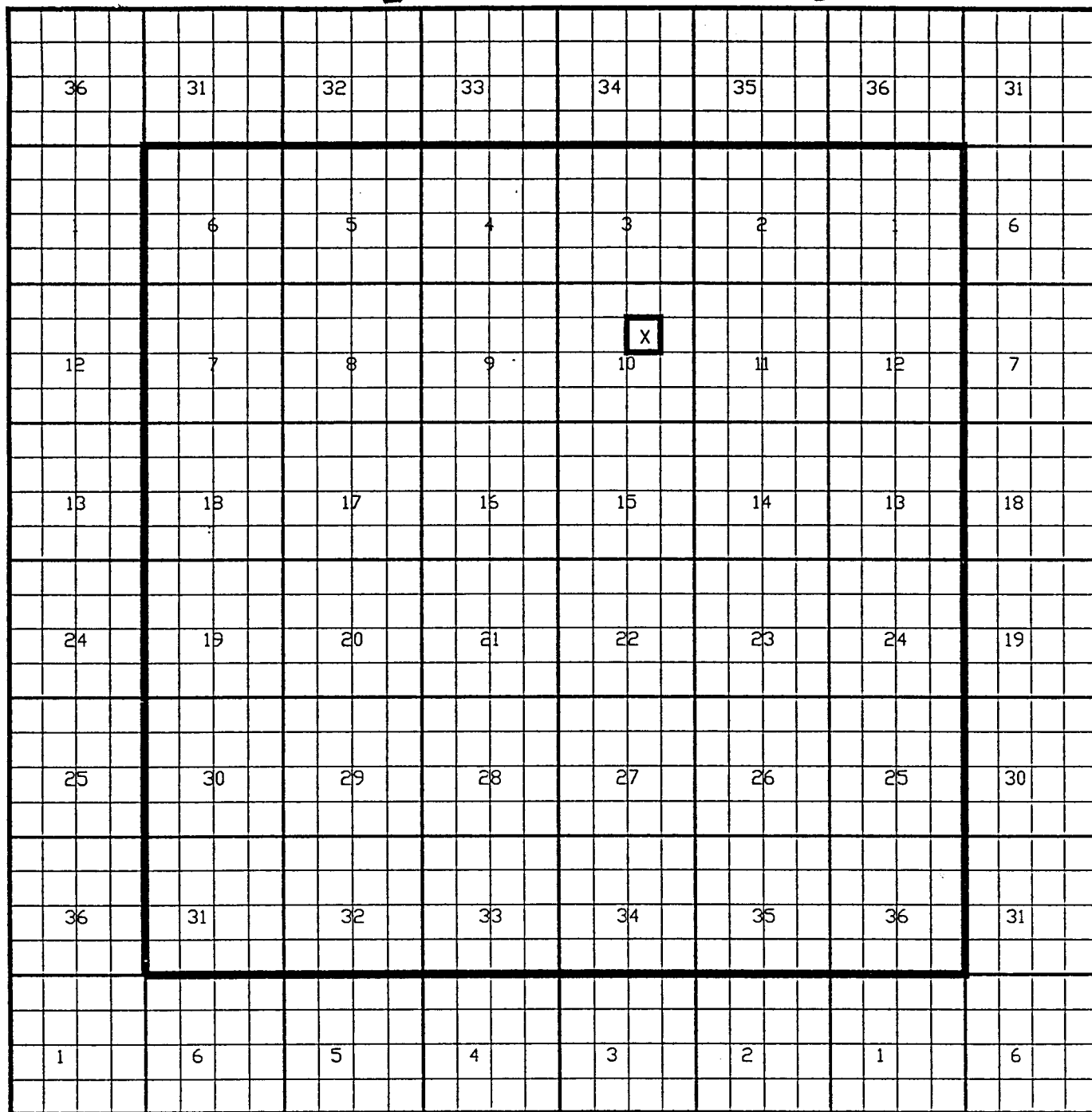
Also, Sandy Hunt, made a recommendation, based on research completed on all fields in Utah, that certain revisions to the field categories be made.

The committee approved the new field categories and made a recommendation that the categories be updated and kept current on a yearly basis. The following field categories should be recognized:

1. Active Field: Area that includes currently producing wells.
2. Inactive Field: Area that includes shut in well(s) that have produced in the past and may be capable of producing in the future.
3. Terminated Field: Area that includes wells that have never produced and areas that have been included in other fields.

After discussion of all agenda items, Mr. Firth indicated that the next meeting would be scheduled for some time in April 1991. There being no other business, the meeting adjourned at approximately 3:30 p.m.

RUNWAY



T. 40S

R. 25E

✓ TOWNSHIP 40 SOUTH, RANGE 25 EAST - SAN JUAN COUNTY 446

SECTION 10: SW/4 NE/4

OCTOBER 1990
DESERT CREEK
POOL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 07 1995

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

IF OIL, GAS & MIN

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No.
2. Name of Operator Harken Southwest Corporation	6. If Indian, Allottee or Tribe Name NAVAJO
3. Address and Telephone No. P.O. Box 612007 Dallas, Texas 75261-2007 (214) 753-6900	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) See Attached List	8. Well Name and No. See Attached List
	9. API Well No. 43037-31515
	10. Field and Pool, or Exploratory Area See Attached List
	11. County or Parish, State San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other Flaring during plant shut-down	<input type="checkbox"/> Dispose Water

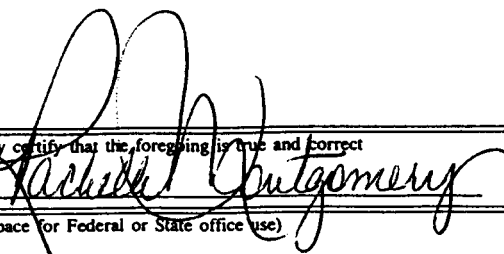
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pursuant to the attached notice from Elkhorn Operating, Harken Southwest request permission to vent/flare all non-lease use gas from September 18, 1995 thru September 22, 1995 or until the Aneth Plant resumes operation.

Attached is a list of wells which will be affected by the plant shut down. The list is compiled in API number order.

Should any questions arise, please contact Mr. Richard Cottle, Farmington, New Mexico @ (505) 327-5531 or the undersigned.

cc: Navajo Nation
State of Utah

14. I hereby certify that the foregoing is true and correct	
Signed 	Title <u>Production Administrator</u> Date <u>Sept 6, 1995</u>
(This space for Federal or State office use)	
Approved by _____	Title _____
Conditions of approval, if any: _____	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

HARKEN SOUTHWEST CORPORATION

Request permission to flare/vent gas production on the following wells during the shut-down of the Aneth Plant Monday, September 18 thru Friday, September 22, 1995.

<u>Well Name</u>	<u>Sec-Twnshp-Rng</u>	<u>API Number</u>
Navajo Tribal 23-13	13-40S-24E	43-037-30971
Navajo Tribal 41-2	02-42S-24E	43-037-31041
Sahgzie #1	05-42S-24E	43-037-31472
Anasazi #1	05-42S-24E	43-037-31478
Cajon Mesa 8D-1	08-40S-25E	43-037-31497
Monument 8N-2	08-40S-25E	43-037-31509
Runway 10G-1	10-40S-25E	43-037-31515
Monument 17E	17-40S-25E	43-037-31547
Runway 10E-2	10-40S-25E	43-037-31550
Blue Hogan 1J-1	01-42S-23E	43-037-31562
Anasazi 5L-3	05-42S-24E	43-037-31572
Brown Hogan 1A-2	01-42S-23E	43-037-31573
Runway 10C-5A	10-40S-25E	43-037-31597
North Heron 35C	35-41S-25E	43-037-31616
Burro 31-I	31-41S-24E	43-037-31708
Jack 31G	31-41S-24E	43-037-31709
Mule 31M	31-41S-24E	43-037-31710
Big Sky 6E (6L)	06-42S-25E	43-037-31714
Hillside 6C-1	06-42S-25E	43-037-31721



ELKHORN OPERATING COMPANY
ANETH PLANT
P.O. BOX 70
MONTEZUMA CREEK, UTAH 84534
Memorandum



To: See Distribution List
From: Gene Gruette
Date: August 18, 1995
Subject: ANETH PLANT SHUTDOWN

Aneth Plant will be shut down on September 18, 1995 to make necessary repairs to the cooling tower, inspect and clean gas coolers, and repair other equipment which requires a plant shutdown.

We plan to have the plant started back up the afternoon of Friday, September 22, 1995.

Each operator will need to make whatever contacts with regulatory agencies and gas marketers, etc. they deem necessary.

Should you have questions, call the writer at (801)631-3254.

CHUSKA ENERGY COMPANY

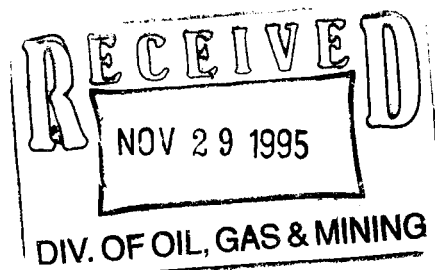
RUNWAY 10G#1

43037 31515 SECTION 10, T40S-R25E

SAN JUAN CO., UTAH

Pow

SIDEWALL CORES



RUN #1:

- 6126 (1) DOL - gybrn, micxl-micsuc, slsly, rthy-cln, dns, vrr intxl POR, NFSOC
- 6101 (2) LS - gy, crpxl-micxl ip, sl dol, Tr anhy xl, n vis intxl-frac POR, Tr calc fl frac, sl fos, g vug POR, Tr-fr ltbrn STN - Tr-rr dd O STN, g fast stmg mlky yel wh CUT
- 6098 (3) LS - gy, crpxl, sldol, rr ANHY INCL, fr vug POR, g bri yel FLOR, fr-g ltbrn STN, g slo-mod fast stmg mlky yel CUT, fnt od
- 6096 (4) LS - AA Tr frac POR, fr vug POR, g bri yel FLOR, fr lt brn - Tr blk dd O STN, g fast stmg mlky CUT, fr od
- 6093 (5) LS - gy, crpxl-micxl ip, sldol, Tr ANHY xl, vrr frac-g vug POR, Tr calc-ANHY xl in vugs & frac, g bri yel FLOR, fr ltbrn-Tr blk dd O STN, g fast stmg mlky CUT, fr od

RUN #2:

- 6089 (1) LS - ltgy, crpxl, some micxl-suc in vugs, sldol, Tr scant ANHY xl, Tr styol, g vug POR, occ ANHY fl vug, g bri yel FLOR, g-fr ltbrn-Tr blk dd O STN, g vfast stmg CUT, gr od
- 6088 (2) LS - gy, crpxl, dns, pred tt-vrr frac-vug POR, blk carb SH INCL, vrr-n bri yel FLOR, vrr spty ltbrn STN, vp vslo dif CUT, n-vfnt od
- 6083 (3) LS - gy, crpxl, Tr micxl-micsuc, vsldol, rr ANHY xl, Tr vug POR, vrr frac-pred calc-ANHY FL, fr-g bri yel FLOR, g ltbrn STN in vugs, fr stmg mlky CUT, Tr od
- 6066 (4) DOL-brn, micxl-micsuc, lmy, arg, vslanhy-vrr ANHY xl, tt-Tr intxl POR, Tr fnt dul yel FLOR, rr lt-dkbrn STN, vfnt od
- 6062 (5) DOL-gybrn, micxl-micsuc, lmy ip, arg, slshly, lg ANHY nod Tr fr intxl-Tr vug-vrr frac POR, g dul yel FLOR, fr dkbrn STN, g fast stmg mlky yel CUT, Tr od
- 6061 (6) DOL-brn, micxl-vfxl, suc-micsuc, slmy, rr ANHY xl, vsl shly ip, fr-g intxl-Tr vug POR, tr-FR LTBRN-DKBRN stn, g mod fast stmg mlky CUT, fr od
- 6059 (7) DOL-dkgybrn, crpxl-micxl, occ vfxl, micsuc, suc ip, slmy, vslarg ip, vrr ANHY xl, Tr intxl-Tr-fr vug POR, g dul yel FLOR, fr brn STN, g fast stmg mlky yel CUT, fr od

CHUSKA ENERGY COMPANY
RUNWAY 10G#1 SIDEWALL CORES

- 6057 (8) DOL-brn-gy, crp-vfxl, micsuc-suc, vsllmy, vslsly, vrr ANHY xl, g
intxl-vug POR, g dul yel FLOR, g brn STN-rr blk dd O STN, g slo stmg
mlky yel CUT, Tr od
- 6054 (9) DOL-dkgybrn, micxl, lmy, slty, varg-vshly, tt-vrr intxl POR, NFSOC,
nod
- 6046 (10) DOL-AA grdg to dol SH, NFSOC
- 5904 (11) DOL-ltbrn, crp-micxl, micsuc, slly, v lg ANHY nod, fr intxl-Tr pp
vug POR, g bri yel FLOR, fr mod fast stmg mlky CUT, fnt od
- 5902 (12) DOL-brn, micxl, occ vfxl, micsuc-suc, slly, slsly, rr ANHY xl-rr
small ANHY nod, Tr blk carb SH INCL, g intxl-fr vug POR, g bri yel
FLOR, Tr-fr spty ltbrn-rr blk O STN, G mod fast stmg mlky CUT, g od
- 5900 (12) DOL-AA, sl-vlmy, g intxl-fr-g vug POR, g bri-dul yel FLOR, g ltbrn
STN-Tr blk dd O STN, g fast stmg mlky yel CUT, g od
- 5898 (13) DOL-aa /abnt frac, Tr ANHY-CALC FL FRAC, fr intxl-Tr-fr vug POR, g
bri yel FLOR, fr spty ltbrn-rr blk dd O STN, g mod fast stmg mlky yel
CUT, fr od

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Box 612007 Dallas, Texas 75261-2007 (972) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 10-40S-25E
(10G-1-1710' FNL & 2450' FEL:
10C-5A-96' FNL & 2360' FWL)

5. Lease Designation and Serial No.

NOG 8707-1170

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Runway Lease

9. API Well No.

43-037-31515 & 31597

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Venting
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

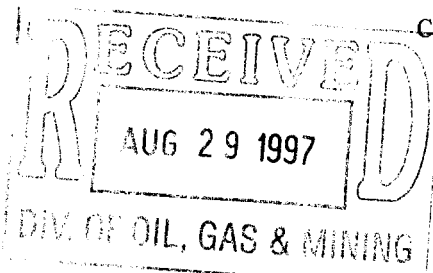
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Elkhorn experienced a line leak; verbal permission to vent gas was obtained from the Farmington District BLM office. In order to continue production, it was necessary to vent the following gas volumes on August 12, 1997:

Runway 10G-1 39 MCF
Runway 10C-5A 22 MCF

CC: State of Utah
Navajo Nation
BIA - Gallup



14. I hereby certify that the foregoing is true and correct

Signed

Title

Production Administrator

Date

08/26/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

43-037-31515

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Harken Southwest Corporation

3. Address and Telephone No.
P.O. Box 612007 Dallas, Texas 75261-2007 (972) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
40, 41 & 42S - 23, 24 & 25S
Various Sections

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See attached

9. API Well No.

See attached

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☒ Altering Casing
☒ Other Gas venting
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

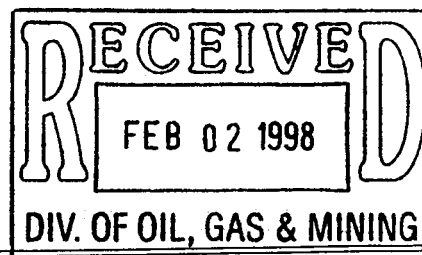
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the summary sheet for the gas vented by Harken Southwest during December, 1997 and January, 1998 due to the explosion and subsequent problems at the Aneth Gas Plant.

If additional information is required, please contact the undersigned at (972) 753-6900.

CC: State of Utah
Navajo Nation - Minerals Dept
BIA - Gallup, NM



14. I hereby certify that the foregoing is true and correct

Signed

Rachelle Montgomery

Title Production Administrator

Date 01/29/98

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date

MARKEN SOUTHWEST CORPORATION
Gas Vented during Aneth Plant Shut-Down (12/97 & 1/98)

Page 1 of 3

	Anasazi #1 43-037-31478 SW/NW Sec 5-42S-24E	Anasazi 5L-3 43-037-31572 NW/SW Sec 5-42S-24E	Sahgzie 1 43-037-31472 SW/NW Sec 5-42S-24E	Anasazi 6H-1 43-037-31744 SE/NE Sec 6-42S-24E	Navajo Tribal 41-2 43-037-31041 NE/NE Sec 2-42S-24E	Navajo Tribal 23-13 43-037-30971 NE/SW Sec 13-40S-24E	Runway 10C-5A 43-037-31597 NE/NW Sec 10-40S-25E	Runway 10G-1 43-037-31515 SW/NE Sec 10-40S-25E
Vented Gas (MCF) December 1997								
25-Dec	88	58	29	14		12	84	158
26-Dec	88	58	28	15		12	84	157
27-Dec	82	61	24	15		12	84	157
28-Dec	85	61	30	14		12	84	157
29-Dec	90	58	25	16	8	12	84	157
30-Dec	88	57	30	16		12	84	162
31-Dec	79	52	26	16		12	84	157
Dec Total	600	405	192	106	8	84	588	1105

Vented Gas (MCF) January 1998								
1-Jan	79	57	29	16	7	12	84	162
2-Jan	89	57	30	15		12	84	162
3-Jan	87	52	30	16		12	84	162
4-Jan	86	50	29	16		12	84	162
5-Jan	107	47	29	16	7	12	84	162
6-Jan	76	75	28	21		10	84	162
7-Jan	84	72	29	22		11	84	157
8-Jan	79	75	30	22		9	84	157
9-Jan	77	70	29	21	11	12	84	147
10-Jan	0	0	0	0	0	2	0	136
11-Jan	0	0	0	0	0	0	0	0
12-Jan	0	0	0	0	0	0	0	0
13-Jan	0	0	0	0	0	0	0	0
14-Jan	0	0	0	0	0	0	0	0
15-Jan	0	0	0	0	0	0	0	0
16-Jan	0	0	0	0	0	0	0	0
17-Jan	0	0	0	0	0	0	0	0
18-Jan	81	67	28	22		0	99	0
19-Jan	81	67	28	22	0	5	12	0
20-Jan	80	64	30	21	0	2		0
Jan Total	1006	753	349	230	25	111	867	1569
Grand Total	1606	1158	541	336	33	195	1455	2674

HARKEN SOUTHWEST CORPORATION
Gas Vented during Aneth Plant Shut-Down (12/97 & 1/98)

Page 2 of 3

Runway 10E-2	Momentum 8N-2	Momentum 17E-2	Cajon Mesa 8D-1	Blue Hogan 1J-1	Brown Hogan 1A-2
43-037-31550	43-037-31509	43-037-31547	43-037-31497	43-037-31562	43-037-31573
SW/NW Sec 10-40S-25E	SE/SW Sec 8-40S-25E	SW/NW Sec 17-40S-25E	NW/NW Sec 8-40S-25E	NW/SE Sec 1-42S-23E	NE/NE Sec 1-42S-23E

Vented Gas (MCF) December 1997

	64	22		22	32	20
25-Dec	64	22	23	22	32	20
26-Dec	64	22		22	32	20
27-Dec	64	22		22	32	22
28-Dec	64	22	22	22	32	22
29-Dec	64	22		25	22	20
30-Dec	64	22		25	22	20
31-Dec	64	19				
Dec Total	448	151	45	160	204	144

Vented Gas (MCF) January 1998

	64	20	22	25	22	21
1-Jan	64	22		25	20	20
2-Jan	64	22		25	20	20
3-Jan	64	22		25	22	20
4-Jan	64	21	15	25	22	20
5-Jan	64	21		25	22	20
6-Jan	64	21		25	22	22
7-Jan	64	21		25	22	22
8-Jan	64	22	22	25	22	22
9-Jan	64	0	0	22	40	4
10-Jan	8	0	0	0	0	0
11-Jan	0	0	0	0	0	0
12-Jan	0	0	0	0	0	0
13-Jan	0	0	0	0	0	0
14-Jan	0	0	0	0	0	0
15-Jan	0	0	0	0	0	0
16-Jan	0	0	0	0	0	0
17-Jan	0	0	0	0	44	21
18-Jan	0	0	0	0	44	21
19-Jan	69	23	14	21	44	21
20-Jan	13	4		5	10	23
Jan Total	666	219	73	273	332	256
Grand Total	1114	370	118	433	536	400

HARKEN SOUTHWEST CORPORATION
Gas Vented during Aneth Plant Shut-Down (12/97 & 1/98)

Page 3 of 3

<div> <div>Mule 31M 43-037-31710 SW/SW Sec 31-41-24E</div> <div>Big Sky 6E(6L) 43-037-31714 NW/SW Sec 6-42S-25E</div> <div>Mule 31-K(N) 43-037-31817 NE/SW Sec 31-41S-24E</div> <div>DAILY TOTALS</div> </div>				
<i>Vented Gas (MCF) December 1997</i>				
25-Dec	25	62	25	715
26-Dec	25	94		744
27-Dec	20	94	21	730
28-Dec	19	90	21	735
29-Dec	28	62	29	753
30-Dec	22	62		686
31-Dec	23	62		661
Dec Total	162	526	96	5024
<i>Vented Gas (MCF) January 1998</i>				
1-Jan	22	62		704
2-Jan	23	63		686
3-Jan	23	63		680
4-Jan	23	63		678
5-Jan	23	63		717
6-Jan	22	63		693
7-Jan	23	63	21	720
8-Jan	23	63	21	717
9-Jan	23	64	21	736
10-Jan	0	64	0	276
11-Jan	0	0	0	0
12-Jan	0	0	0	0
13-Jan	0	0	0	0
14-Jan	0	0	0	0
15-Jan	0	0	0	0
16-Jan	0	0	0	0
17-Jan	0	0	0	0
18-Jan	23	73	0	359
19-Jan	25	73	21	613
20-Jan	23	2	23	312
Jan Total	276	779	107	7891
Grand Total	438	1305	203	12915

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

HARKEN Susan Herrera
 RHM SOUTHWEST CORPORATION
 C/O HOLCOMB OIL AND GAS, INC.
 PO BOX 2058
 FARMINGTON, NM 87499-2058

UTAH ACCOUNT NUMBER:

N9290

REPORT PERIOD (MONTH/YEAR):

02/2001

AMENDED REPORT ☐

(Highlight Changes)

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes		
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)
NAVAJO TRIBAL 23-13 4303730971	09420	40S 24E 13	DSCR	P	OW	28	1,071	551	2,296
NAVAJO TRIBAL 41-2 4303731041	09437	42S 24E 02	DSCR	P	OW	19	174	23	0
NAVAJO TRIBAL 32-26 4303731060	09990	40S 22E 26	DSCR	P	OW	8	104	291	0
NAVAJO TRIBAL 14-10 4303730977	10130	40S 24E 05	DSCR	P	OW	28	93	0	0
SAHGZIE 1 4303731472	11032	42S 24E 05	DSCR	P	OW	28	1,025	476	0
ANASAZI 1 4303731478	11042	42S 24E 05	DSCR	P	OW	28	1,308	1,349	0
CAJON MESA 8D-1 4303731497	11074	40S 25E 08	DSCR	P	OW	27	245	355	61
MONUMENT 8N-2 4303731509	11087	40S 25E 08	DSCR	P	OW	28	239	496	0
RUNWAY 10G-1 4303731515	11105	40S 25E 10	DSCR	S	OW	28	1,412	1,613	432
RUNWAY 10E-2 4303731550	11128	40S 25E 10	DSCR	S	GW	27	279	917	0
MONUMENT 17E-2 4303731547	11139	40S 25E 17	DSCR	S	OW	26	157	548	0
LONE MOUNTAIN CREEK 12F-1 4303731545	11148	42S 24E 12	DSCR	P	OW	22	149	533	12
RUNWAY 10C-5A 4303731597	11152	40S 25E 10	DSCR	P	OW	24	221	899	40
TOTALS							6477	8051	2841

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: April 13, 2001

Signature

Susan M. Herrera
 Susan M. Herrera

RECEIVED

Telephone Number

(505) 326-0550

APR 17 2001

DIVISION OF
 OIL, GAS AND MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

Susan Herrera
 RIM SOUTHWEST CORPORATION
 C/O HOLCOMB OIL AND GAS, INC.
 PO BOX 2058
 FARMINGTON, NM 87499-2058

UTAH ACCOUNT NUMBER:

N9290

REPORT PERIOD (MONTH/YEAR):

02/2001

AMENDED REPORT ☐

(Highlight Changes)

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes		
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)
✓ BLUE HOGAN 1J-1									
4303731562	11161	42S 23E 01	DSCR	P	OW	27	800	778	36
✓ ANASAZI 5L-3									
4303731572	11207	42S 24E 05	DSCR	P	OW	28	1,187	1,284	0
✓ BROWN HOGAN 1A-2									
4303731573	11215	42S 23E 01	DSCR	P	OW	28	297	504	0
✓ STERLING 36L-1									
4303731595	11224	41S 23E 36	DSCR	S	OW	0	0	0	0
✓ MULE 31K (N)									
4303731617	11326	41S 24E 31	DSCR	P	OW	28	308	348	73
✓ NORTH HERON 35C									
4303731616	11479	41S 25E 35	DSCR	S	OW	0	0	0	0
✓ BURRO 31I									
4303731708	11496	41S 24E 31	DSCR	P	OW	28	489	0	0
✓ JACK 31G									
4303731709	11497	41S 24E 31	DSCR	S	OW	0	0	0	0
✓ MULE 31M									
4303731710	11498	41S 24E 31	DSCR	P	OW	28	1,074	333	120
✓ BIG SKY 6E (6L) 1									
4303731714	11722	42S 25E 06	DSCR	P	OW	26	262	551	0
✓ CLAY HILL CANYON 32D									
4303731741	11734	41S 25E 32	DSCR	TA	NA	0	0	0	0
✓ ANASAZI 6H-1									
4303731744	11773	42S 24E 06	DSCR	P	OW	28	205	303	0
TOTALS							4622	4101	229

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: April 13, 2001

Signature

Susan M. Herrera
 Susan M. Herrera

RECEIVED

Telephone Number (505) 326-0550

APR 17 2001

DIVISION OF
 OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☒ OTHER SEE ATTACHED

2. NAME OF OPERATOR:
RIM Southwest Corporation

3. ADDRESS OF OPERATOR:
P.O. Box 145 CITY Farmington STATE NM ZIP 87499

PHONE NUMBER:
(505) 327-5531

4. LOCATION OF WELL

FOOTAGES AT SURFACE: SEE ATTACHED

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
SEE ATTACHED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Navajo

7. UNIT or CA AGREEMENT NAME:
SEE ATTACHED

8. WELL NAME and NUMBER:
SEE ATTACHED

9. API NUMBER:
SEE ATTACH

10. FIELD AND POOL, OR WILDCAT:
Greater Aneth

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Corporate Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Corporate Name Change from Harken Southwest Corporation to RIM Southwest Corporation, effective December 1, 2000 for reporting requirements.

RECEIVED

APR 23 2001

DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) W. J. Holcomb

TITLE Vice-President

SIGNATURE [Signature]

DATE 4/23/2001

(This space for State use only)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

12/1/2000

FROM: (Old Operator):
 N9290-Harken Southwest Corporation
 5 Inverness Drive, East
 Denver, CO 80112

Phone: (303) 799-9828

TO: (New Operator):
 N1715-Rim Southwest Corporation
 PO Box 145
 Farmington, NM 87499

Phone: (505) 327-5531

CA No.

Unit:

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NAVAJO TRIBAL 32-26	26	400S	220E	4303731060	9990	Indian	OW	S
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	P
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	P
STERLING 36L-1	36	410S	230E	4303731595	11224	Indian	OW	S
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
JACK 31G	31	410S	240E	4303731709	11497	Indian	OW	S
CLAY HILL CANYON 32D	32	410S	250E	4303731741	11734	Indian	OW	TA
NORTH HERON 35C	35	410S	250E	4303731616	11479	Indian	OW	S
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
BIG SKY 6E (6L) 1	06	420S	250E	4303731714	11722	Indian	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/27/20012. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/27/20013. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/30/2003

4. Is the new operator registered in the State of Utah: YES Business Number: 794466-0143
5. If NO, the operator was contacted contacted on: _____
6. (R649-9-2)Waste Management Plan has been received on: 8/13/2003

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: not given

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 8/26/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 8/26/2003
3. Bond information entered in RBDMS on: n/a
4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB0001937

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number n/a
2. The FORMER operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

Because this was a merger, all LA and PA wells belong to Rim Southwest also. However, they are still on our computer as Harken Southwest because no list was provided to move them.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

RIM SOUTHWEST CORPORATION

3. Address and Telephone No.

P. O. Box 145, Farmington, NM 87499 (505)327-5531

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

5. Lease Designation and Serial No.
See Attached

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**San Juan County
Utah**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Vent/Flare Gas**
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please be advised that RIM Southwest Corporation is requesting approval to vent gas until September 14, 2001. After September 14, we request permission to flare the gas until the Aneth Plant is back on line.

Attachment

cc: State of Utah
Navajo Nation-Minerals
Navajo Nation EPA - Air Quality
BIA - Gallup, NM

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 9/17/01
By: [Signature]

Ext. Oct 15, 2001

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR
Date: 9-17-01
Initials: CHD

RECEIVED

10/1/2001
DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct

Signed

Title **W. J. Holcomb, Vice President** Date **8/29/01**

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

RIM SOUTHWEST CORPORATION

			ESTIMATED GAS
			VENTED
LEASE NUMBER	WELL NAME	SEC-TWN-RNG	MCF/DAY
1420603373	Big Sky 6E (6L)	06-42S-25E	19
NOC 14205297			
(NMNM 5756)	Monument 8N-2	08-40S-25E	18
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23
	Navajo Tribal 14-10	10-40S-24E	1
	Navajo Tribal 41-2	02-42S-24E	8
	Navajo Tribal 32-26	26-40S-22E	8
NOG 8707-1162	Sahgzie #1	05-42S-24E	16
	Anasazi #1	05-42S-24E	67
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI
	Runway 10C-5A	10-40S-25E	SI
NOG 8707-1190	Runway 10E-2	10-40S-25E	17
NOG 8707-1191	Monument 17E-2	17-40S-25e	0
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27
	Brown Hogan 1A-2	01-42S-23E	18
NOG 8707-12321	Burro 31-1	31-41S-24E	1
	Jack 31G	31-41S-24E	SI
	Mule 31K (N)	31-41S-24E	7
	Mule 31M	31-41S-24E	24
		TOTAL AVERAGE	254

- 43-037-31714

- 43-037-31509

- 43-037-31497

- 43-037-30971

- 43-037-30977

- 43-037-31041

- 43-037-31060

- 43-037-31472

- 43-037-31478

- 43-037-31515

- 43-037-31597

- 43-037-31550

- 43-037-31547

- 43-037-31562

- 43-037-31573

- 43-037-31708

- 43-037-31709

- 43-037-31617

- 43-037-31710



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC80013
CUST. NO. 33500- 10095

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MULE 31M	PRESSURE	25 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	76 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	6/30/98
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E412018	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.332	0.0000	0.00	0.0129
CO2	0.112	0.0000	0.00	0.0017
METHANE	57.114	0.0000	578.17	0.3164
ETHANE	19.739	5.2802	350.11	0.2049
PROPANE	11.863	3.2694	299.17	0.1806
I-BUTANE	1.498	0.4900	48.83	0.0301
N-BUTANE	4.080	1.2864	133.41	0.0819
I-PENTANE	1.011	0.3699	40.54	0.0252
N-PENTANE	1.215	0.4401	48.82	0.0303
HEXANE PLUS	2.036	0.8883	104.67	0.0655
TOTAL	100.000	12.0243	1,603.72	0.9494

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0067
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,614.5
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,586.4
REAL SPECIFIC GRAVITY		0.9559

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,605.7
DRY BTU @ 14.696	1,610.7
DRY BTU @ 14.730	1,614.5
DRY BTU @ 15.025	1,646.8

CYLINDER #	SJ99
CYLINDER PRESSURE	10 PSIG
DATE RUN	7/1/98
ANALYSIS RUN BY	DAVE MARTIN



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC80012
CUST. NO. 33500- 10015

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MULE 31K	PRESSURE	24 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	84 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	6/30/98
FORMATION	DESERT CREEK	SAMPLED BY	FGM
CUST.STN.NO.	202E340052	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.925	0.0000	0.00	0.0186
CO2	0.133	0.0000	0.00	0.0020
METHANE	63.617	0.0000	643.99	0.3524
ETHANE	16.771	4.4862	297.47	0.1741
PROPANE	9.543	2.6301	240.66	0.1453
I-BUTANE	1.205	0.3942	39.28	0.0242
N-BUTANE	3.315	1.0452	108.39	0.0665
I-PENTANE	0.794	0.2905	31.84	0.0198
N-PENTANE	0.944	0.3419	37.93	0.0235
HEXANE PLUS	1.753	0.7648	90.12	0.0564
TOTAL	100.000	9.9529	1,489.68	0.8829

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

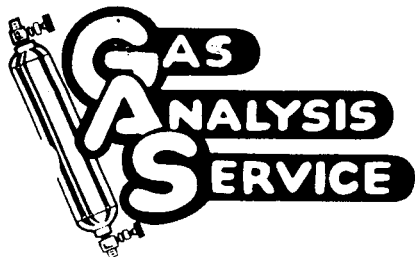
** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0056
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,498.0
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,472.0
REAL SPECIFIC GRAVITY		0.8877

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,489.9
DRY BTU @ 14.696	1,494.6
DRY BTU @ 14.730	1,498.0
DRY BTU @ 15.025	1,528.0

CYLINDER #	048A
CYLINDER PRESSURE	24 PSIG
DATE RUN	7/1/98
ANALYSIS RUN BY	CHELLE DURBIN



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC80009
CUST. NO. 33500- 10080

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	JACK 31G	PRESSURE	28 PSIG
COUNTY/STATE	SAN JUAN UT	SAMPLE TEMP	76 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	6/30/98
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E410005	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.975	0.0000	0.00	0.0191
CO2	0.062	0.0000	0.00	0.0009
METHANE	70.488	0.0000	713.55	0.3904
ETHANE	13.388	3.5813	237.46	0.1390
PROPANE	7.057	1.9449	177.97	0.1075
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.613	0.8239	85.44	0.0524
I-PENTANE	0.750	0.2744	30.08	0.0187
N-PENTANE	0.920	0.3332	36.97	0.0229
HEXANE PLUS	1.735	0.7570	89.20	0.0558
TOTAL	100.000	8.0458	1,403.66	0.8271

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0049
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,410.5
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,386.0
REAL SPECIFIC GRAVITY		0.8311

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,402.9
DRY BTU @ 14.696	1,407.3
DRY BTU @ 14.730	1,410.5
DRY BTU @ 15.025	1,438.8

CYLINDER #	004
CYLINDER PRESSURE	12 PSIG
DATE RUN	7/1/98
ANALYSIS RUN BY	DAVE MARTIN



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00018
CUST. NO. 33500- 10035

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	BIG SKY 6E	PRESSURE	17 PSIG
COUNTY/STATE	SAN JUAN UT	SAMPLE TEMP	21 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/23/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E430640	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.658	0.0000	0.00	0.0160
CO2	0.037	0.0000	0.00	0.0006
METHANE	66.226	0.0000	670.41	0.3668
ETHANE	17.222	4.6069	305.47	0.1788
PROPANE	9.526	2.6254	240.24	0.1450
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.724	0.8589	89.07	0.0547
I-PENTANE	0.496	0.1815	19.89	0.0124
N-PENTANE	0.553	0.2003	22.22	0.0138
HEXANE PLUS	0.546	0.2382	28.07	0.0176
TOTAL	100.000	9.0422	1,408.36	0.8260

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0048
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,415.4
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,390.8
REAL SPECIFIC GRAVITY		0.8302

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,407.7
DRY BTU @ 14.696	1,412.2
DRY BTU @ 14.730	1,415.4
DRY BTU @ 15.025	1,443.8

CYLINDER #	007
CYLINDER PRESSURE	17 PSIG
DATE RUN	12/28/00
ANALYSIS RUN BY	GINA HANON

CQM, INC. ON-SITE GAS ANALYSIS

UNIT 2

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410 505-333-2003

Source: ELKHORN FIELD SERVICES Report Date: 06/19/2001 13:48:14
 Station #: 78-153 Sample Date: 06/13/2001
 Station Name: BLUE/BROWN HOGAN Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S_1.MET

File: c:\mti\ezchrom\200\chrom\78_15306.2

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	3.577	0.000	0.035	
Methane	55.640	563.264	0.308	
CO2	0.033	0.000	0.001	
Ethane	17.739	314.636	0.184	4.744
H2S (APPROX)	0.000	0.000	0.000	
Propane	11.983	302.202	0.182	3.302
i-Butane	1.627	53.031	0.033	0.532
n-Butane	4.370	142.892	0.088	1.378
i-Pentane	1.194	47.881	0.030	0.437
n-Pentane	1.465	58.866	0.036	0.531
Hexanes	1.955	93.193	0.058	0.804
Heptanes	0.373	20.572	0.013	0.172
Octanes	0.044	2.756	0.002	0.023
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1599.293 0.969 11.922
 Unnormalized Total 111.244

Gross BTU/Real Cu. Ft.

(@ 60 deg F, 14.730)

Dry = 1610.156

Sat. = 1583.743

Actual = 1610.156

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.302

Butane GPM = 1.910

Gasoline GPM = 1.966

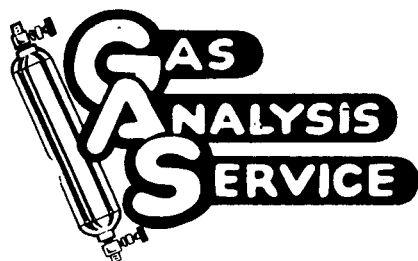
26# Gasoline GPM = 3.344

Total GPM = 11.922

Real Relative Density Calculated = 0.9755

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9933



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00010
CUST. NO. 33500- 10090

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MONUMENT 17-E-2	PRESSURE	20 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	47 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E311659	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.958	0.0000	0.00	0.0093
CO2	0.071	0.0000	0.00	0.0011
METHANE	67.968	0.0000	688.04	0.3765
ETHANE	14.933	3.9946	264.87	0.1550
PROPANE	8.159	2.2486	205.76	0.1242
I-BUTANE	0.965	0.3157	31.45	0.0194
N-BUTANE	2.976	0.9383	97.31	0.0597
I-PENTANE	0.754	0.2759	30.24	0.0188
N-PENTANE	1.118	0.4049	44.92	0.0279
HEXANE PLUS	2.098	0.9154	107.86	0.0675
TOTAL	100.000	9.0934	1,470.45	0.8593

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0054
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,479.5
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,453.8
REAL SPECIFIC GRAVITY		0.8647

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,471.5
DRY BTU @ 14.696	1,476.1
DRY BTU @ 14.730	1,479.5
DRY BTU @ 15.025	1,509.2

CYLINDER #	005
CYLINDER PRESSURE	22 PSIG
DATE RUN	12/22/00
ANALYSIS RUN BY	AMY JUSTICE



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00014
CUST. NO. 33500- 10120

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	RUNAWAY 10E2	PRESSURE	21 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	60 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E311617	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.534	0.0000	0.00	0.0052
CO2	0.053	0.0000	0.00	0.0008
METHANE	50.326	0.0000	509.45	0.2788
ETHANE	23.092	6.1771	409.58	0.2397
PROPANE	14.269	3.9325	359.85	0.2173
I-BUTANE	1.588	0.5194	51.76	0.0319
N-BUTANE	4.428	1.3961	144.79	0.0889
I-PENTANE	0.988	0.3615	39.62	0.0246
N-PENTANE	1.348	0.4882	54.17	0.0336
HEXANE PLUS	3.374	1.4721	173.46	0.1086
TOTAL	100.000	14.3471	1,742.68	1.0292

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0082
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,758.8
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,728.2
REAL SPECIFIC GRAVITY		1.0390

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,749.3
DRY BTU @ 14.696	1,754.8
DRY BTU @ 14.730	1,758.8
DRY BTU @ 15.025	1,794.1

CYLINDER #	AZT035
CYLINDER PRESSURE	26 PSIG
DATE RUN	12/22/00
ANALYSIS RUN BY	AMY JUSTICE



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00013
CUST. NO. 33500- 10115

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	RUNAWAY 10C 5-A	PRESSURE	9 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	69 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E308719	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.794	0.0000	0.00	0.0077
CO2	0.109	0.0000	0.00	0.0017
METHANE	56.637	0.0000	573.34	0.3137
ETHANE	18.737	5.0121	332.34	0.1945
PROPANE	11.185	3.0826	282.07	0.1703
I-BUTANE	1.296	0.4239	42.24	0.0260
N-BUTANE	3.814	1.2026	124.71	0.0765
I-PENTANE	1.035	0.3787	41.51	0.0258
N-PENTANE	1.558	0.5643	62.60	0.0388
HEXANE PLUS	4.835	2.1095	248.57	0.1556
TOTAL	100.000	12.7737	1,707.38	1.0106

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0080
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,723.7
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,693.7
REAL SPECIFIC GRAVITY		1.0203

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,714.3
DRY BTU @ 14.696	1,719.7
DRY BTU @ 14.730	1,723.7
DRY BTU @ 15.025	1,758.2

CYLINDER #	A002
CYLINDER PRESSURE	14 PSIG
DATE RUN	12/22/00
ANALYSIS RUN BY	AMY JUSTICE

COM, INC.
1427 W. AZTEC, BLVD. #3 AZTEC, NM 87410
505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 12:58:11
Station #: 78-138 Sample Date: 06/13/2001
Station Name: RUNWAY 10-G-1 Flowing Pressure: 0 psig
Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\sour2.met
File: c:\mti\ezchrom\200\chrom\78_13806.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.082	0.000	0.010	
Methane	59.728	604.648	0.331	
CO2	0.074	0.000	0.001	
Ethane	18.511	328.328	0.192	4.951
H2S (approx)	0.000	0.000	0.000	
Propane	12.402	312.769	0.189	3.417
i-Butane	1.191	38.820	0.024	0.390
n-Butane	3.539	115.720	0.071	1.116
i-Pentane	0.926	37.134	0.023	0.335
n-Pentane	1.239	49.785	0.031	0.453
Hexanes	0.834	39.756	0.025	0.343
Heptanes	0.424	23.385	0.015	0.196
Octanes	0.050	3.132	0.002	0.026

Ideal Total 100.000 1553.477 0.914 11.227
Unnormalized Total 92.627

Gross BTU/Real Cu. Ft.
(@ 60 deg F, 14.730)

Dry = 1563.024

Sat. = 1537.392

Actual = 1563.024

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.417

Butane GPM = 1.505

Gasoline GPM = 1.353

26# Gasoline GPM = 2.469

Total GPM = 11.227

Real Relative Density Calculated = 0.9190

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9939

CQM, IL ON-SITE GAS ANALYSIS

T 2

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICES Report Date: 06/19/2001 13:53:04
 Station #: 78-148 Sample Date: 06/13/2001
 Station Name: SAGEEZIE/ANASAZI Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S_1.MET

File: c:\mti\ezchrom\200\chrom\78_14806.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	0.664	0.000	0.006	
Methane	44.440	449.882	0.246	
CO2	0.068	0.000	0.001	
Ethane	23.771	421.625	0.247	6.358
H2S (APPROX)	0.000	0.000	0.000	
Propane	17.469	440.554	0.266	4.814
i-Butane	2.367	77.151	0.048	0.774
n-Butane	5.635	184.256	0.113	1.777
i-Pentane	1.485	59.551	0.037	0.543
n-Pentane	1.729	69.474	0.043	0.626
Hexanes	1.947	92.812	0.058	0.801
Heptanes	0.378	20.848	0.013	0.174
Octanes	0.047	2.944	0.002	0.024
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1819.096 1.080 15.891
 Unnormalized Total 113.650

Gross BTU/Real Cu. Ft.
 (@ 60 deg F, 14.730)

Dry = 1835.446

Sat. = 1805.263

Actual = 1835.446

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 4.814

Butane GPM = 2.551

Gasoline GPM = 2.169

26# Gasoline GPM = 3.945

Total GPM = 15.891

Real Relative Density Calculated = 1.0892

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9911



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00012
CUST. NO. 33500- 10105

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	NAVAJO TRIBAL 32-26	PRESSURE	17 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	30 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202A-52531	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.934	0.0000	0.00	0.0090
CO2	0.050	0.0000	0.00	0.0008
METHANE	71.878	0.0000	727.62	0.3981
ETHANE	15.057	4.0277	267.07	0.1563
PROPANE	6.531	1.7999	164.71	0.0994
I-BUTANE	0.770	0.2519	25.10	0.0155
N-BUTANE	1.958	0.6174	64.02	0.0393
I-PENTANE	0.510	0.1866	20.45	0.0127
N-PENTANE	0.663	0.2401	26.64	0.0165
HEXANE PLUS	1.649	0.7195	84.78	0.0531
TOTAL	100.000	7.8431	1,380.39	0.8007

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0046
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,387.6
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,363.5
REAL SPECIFIC GRAVITY		0.8049

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,380.1
DRY BTU @ 14.696	1,384.4
DRY BTU @ 14.730	1,387.6
DRY BTU @ 15.025	1,415.4

CYLINDER #	KFL148
CYLINDER PRESSURE	23 PSIG
DATE RUN	12/22/00
ANALYSIS RUN BY	AMY JUSTICE

CQM, INC. ON-SITE GAS ANALYSIS

UNIT 2

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICES Report Date: 06/19/2001 13:59:32
 Station #: 78-145 Sample Date: 06/13/2001
 Station Name: NT41-2 Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S 1.MET

File: c:\mti\ezchrom\200\chrom\78_14506.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.152	0.000	0.011	
Methane	56.788	574.886	0.315	
CO2	0.085	0.000	0.001	
Ethane	19.719	349.755	0.205	5.274
H2S (APPROX)	0.000	0.000	0.000	
Propane	12.656	319.174	0.193	3.487
i-Butane	1.519	49.511	0.030	0.497
n-Butane	4.167	136.255	0.084	1.314
i-Pentane	1.029	41.265	0.026	0.377
n-Pentane	1.297	52.116	0.032	0.470
Hexanes	1.366	65.116	0.041	0.562
Heptanes	0.196	10.810	0.007	0.090
Octanes	0.026	1.628	0.001	0.013
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1600.514 0.945 12.084

Unnormalized Total 110.907

Gross BTU/Real Cu. Ft.

(@ 60 deg F, 14.730)

Dry = 1611.115

Sat. = 1584.681

Actual = 1611.115

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.487

Butane GPM = 1.811

Gasoline GPM = 1.512

26# Gasoline GPM = 2.826

Total GPM = 12.084

Real Relative Density Calculated = 0.9508

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9934

CQM, INC. ON-SITE GAS ANALYSIS

T 2

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 14:32:41
 Station #: 78-146 Sample Date: 06/14/2001
 Station Name: NT #23-13 Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S 1.MET

File: c:\mti\ezchrom\200\chrom\78_14606.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.159	0.000	0.011	
Methane	56.655	573.539	0.314	
CO2	0.136	0.000	0.002	
Ethane	19.548	346.722	0.203	5.228
H2S (APPROX)	0.000	0.000	0.000	
Propane	12.674	319.628	0.193	3.492
i-Butane	1.537	50.097	0.031	0.503
n-Butane	4.064	132.887	0.082	1.281
i-Pentane	0.965	38.698	0.024	0.353
n-Pentane	1.172	47.093	0.029	0.424
Hexanes	1.532	73.029	0.046	0.630
Heptanes	0.424	23.385	0.015	0.196
Octanes	0.134	8.393	0.005	0.069
Nonanes	0.000	0.000	0.000	

Ideal Total	100.000	1613.471	0.954	12.177
Unnormalized Total	107.575			

Gross BTU/Real Cu. Ft.
 (@ 60 deg F, 14.730)

Dry = 1624.438

Sat. = 1597.782

Actual = 1624.438

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.492

Butane GPM = 1.784

Gasoline GPM = 1.672

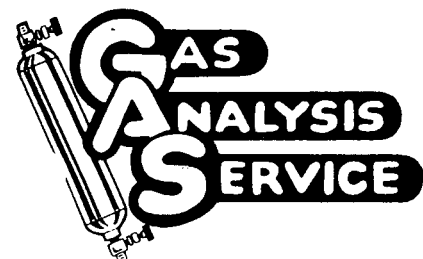
26# Gasoline GPM = 2.953

Total GPM = 12.177

Real Relative Density Calculated = 0.9603

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9932



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00009
CUST. NO. 33500- 10085

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MONUMENT 8N2	PRESSURE	12 PSIG
COUNTY/STATE	SAN JUAN UT	SAMPLE TEMP	55 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E311589	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.139	0.0000	0.00	0.0110
CO2	0.064	0.0000	0.00	0.0010
METHANE	60.307	0.0000	610.49	0.3341
ETHANE	15.875	4.2466	281.57	0.1648
PROPANE	11.057	3.0473	278.85	0.1684
I-BUTANE	1.628	0.5325	53.06	0.0327
N-BUTANE	5.194	1.6377	169.83	0.1042
I-PENTANE	1.202	0.4398	48.20	0.0299
N-PENTANE	1.620	0.5868	65.09	0.0404
HEXANE PLUS	1.914	0.8351	98.40	0.0616
TOTAL	100.000	11.3257	1,605.49	0.9480

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0067
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,617.3
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,589.2
REAL SPECIFIC GRAVITY		0.9551

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,608.5
DRY BTU @ 14.696	1,613.6
DRY BTU @ 14.730	1,617.3
DRY BTU @ 15.025	1,649.7

CYLINDER #	050
CYLINDER PRESSURE	15 PSIG
DATE RUN	12/22/00
ANALYSIS RUN BY	AMY JUSTICE



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00010
CUST. NO. 33500- 10090

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MONUMENT 17-E-2	PRESSURE	20 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	47 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E311659	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.958	0.0000	0.00	0.0093
CO2	0.071	0.0000	0.00	0.0011
METHANE	67.968	0.0000	688.04	0.3765
ETHANE	14.933	3.9946	264.87	0.1550
PROPANE	8.159	2.2486	205.76	0.1242
I-BUTANE	0.965	0.3157	31.45	0.0194
N-BUTANE	2.976	0.9383	97.31	0.0597
I-PENTANE	0.754	0.2759	30.24	0.0188
N-PENTANE	1.118	0.4049	44.92	0.0279
HEXANE PLUS	2.098	0.9154	107.86	0.0675
TOTAL	100.000	9.0934	1,470.45	0.8593

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0054
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,479.5
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,453.8
REAL SPECIFIC GRAVITY		0.8647

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,471.5
DRY BTU @ 14.696	1,476.1
DRY BTU @ 14.730	1,479.5
DRY BTU @ 15.025	1,509.2

CYLINDER #	005
CYLINDER PRESSURE	22 PSIG
DATE RUN	12/22/00
ANALYSIS RUN BY	AMY JUSTICE



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00008
CUST. NO. 33500- 10000

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	CAJON 8D1	PRESSURE	12 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	42 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION	ISMAY	SAMPLED BY	FGM
CUST.STN.NO.	202E311625	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.802	0.0000	0.00	0.0078
CO2	0.070	0.0000	0.00	0.0011
METHANE	58.781	0.0000	595.04	0.3256
ETHANE	18.008	4.8171	319.41	0.1870
PROPANE	12.630	3.4808	318.52	0.1923
I-BUTANE	1.567	0.5126	51.07	0.0314
N-BUTANE	4.747	1.4967	155.22	0.0953
I-PENTANE	0.925	0.3385	37.09	0.0230
N-PENTANE	1.207	0.4372	48.50	0.0301
HEXANE PLUS	1.263	0.5510	64.93	0.0406
TOTAL	100.000	11.6339	1,589.78	0.9341

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0065
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,600.8
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,573.0
REAL SPECIFIC GRAVITY		0.9408

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,592.1
DRY BTU @ 14.696	1,597.1
DRY BTU @ 14.730	1,600.8
DRY BTU @ 15.025	1,632.9

CYLINDER #	AZT047
CYLINDER PRESSURE	15 PSIG
DATE RUN	12/26/00
ANALYSIS RUN BY	AMY JUSTICE

CQM, INC. ON-SITE GAS ANALYSIS

T 2

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 14:36:40
 Station #: 78-144 Sample Date: 06/14/2001
 Station Name: MON/CAJON MESA Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S_1.MET

File: c:\mti\ezchrom\200\chrom\78_14406.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	0.989	0.000	0.010	
Methane	63.867	646.549	0.354	
CO2	0.044	0.000	0.001	
Ethane	15.724	278.896	0.163	4.205
H2S (APPROX)	0.000	0.000	0.000	
Propane	9.810	247.400	0.149	2.703
i-Butane	1.181	38.494	0.024	0.386
n-Butane	3.638	118.957	0.073	1.147
i-Pentane	0.900	36.091	0.022	0.329
n-Pentane	1.247	50.107	0.031	0.452
Hexanes	1.943	92.621	0.058	0.799
Heptanes	0.514	28.348	0.018	0.237
Octanes	0.143	8.957	0.006	0.073
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1546.420 0.908 10.332
 Unnormalized Total 108.337

Cross BTU/Real Cu. Ft.

(@ 60 deg F, 14.730)

Dry = 1555.948

Sat. = 1530.436

Actual = 1555.948

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 2.703

Butane GPM = 1.533

Gasoline GPM = 1.890

26# Gasoline GPM = 3.037

Total GPM = 10.332

Real Relative Density Calculated = 0.9133

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9939



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00018
CUST. NO. 33500- 10035

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	BIG SKY 6E	PRESSURE	17 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	21 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/23/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E430640	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.658	0.0000	0.00	0.0160
CO2	0.037	0.0000	0.00	0.0006
METHANE	66.226	0.0000	670.41	0.3668
ETHANE	17.222	4.6069	305.47	0.1788
PROPANE	9.526	2.6254	240.24	0.1450
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.724	0.8589	89.07	0.0547
I-PENTANE	0.496	0.1815	19.89	0.0124
N-PENTANE	0.553	0.2003	22.22	0.0138
HEXANE PLUS	0.546	0.2382	28.07	0.0176
TOTAL	100.000	9.0422	1,408.36	0.8260

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0048
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,415.4
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,390.8
REAL SPECIFIC GRAVITY		0.8302

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,407.7
DRY BTU @ 14.696	1,412.2
DRY BTU @ 14.730	1,415.4
DRY BTU @ 15.025	1,443.8

CYLINDER #	007
CYLINDER PRESSURE	17 PSIG
DATE RUN	12/28/00
ANALYSIS RUN BY	GINA HANON

CQM, INC.
1427 W. AZTEC, BLVD. #3 AZTEC, NM 87410
505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 12:14:41
Station #: 78-132 Sample Date: 06/13/2001
Station Name: HILLSIDE 6-C *Big Sky* Flowing Pressure: 0 psig
Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\sour2.met

File: c:\mti\ezchrom\200\chrom\78_13206.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.876	0.000	0.018	
Methane	65.826	666.381	0.365	
CO2	0.039	0.000	0.001	
Ethane	16.765	297.360	0.174	4.484
H2S (approx)	0.000	0.000	0.000	
Propane	9.827	247.829	0.150	2.708
i-Butane	0.865	28.194	0.017	0.283
n-Butane	2.514	82.204	0.050	0.793
i-Pentane	0.633	25.384	0.016	0.229
n-Pentane	0.787	31.623	0.020	0.288
Hexanes	0.689	32.844	0.021	0.283
Heptanes	0.166	9.155	0.006	0.077
Octanes	0.013	0.814	0.001	0.007

Ideal Total	100.000	1421.788	0.837	9.151
Unnormalized Total	94.894			

Gross BTU/Real Cu. Ft.
(@ 60 deg F, 14.730)
Dry = 1428.837
Sat. = 1405.444
Actual = 1428.837
(0.000 lbs. water/MMCF)

Gasoline Content
Propane GPM = 2.708
Butane GPM = 1.076
Gasoline GPM = 0.884
26# Gasoline GPM = 1.676
Total GPM = 9.151

Real Relative Density Calculated = 0.8408

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9951

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☒ Well File _____

☐ Suspense

☐ Other

(Loc.) Sec _____ Twp _____ Rng _____

(Return Date) _____

(API No.) _____

(To-Initials) _____

1. Date of Phone Call: 9/12/01 Time: 9:50

2. DOGM Employee (name) Dustin Doucet (☐ Initiated Call)

Talked to:

Name Wayne Townsend (☐ Initiated Call) - Phone No. (505) 599 6359
of (Company/Organization) BLM

3. Topic of Conversation: Gas Flaring in Aneth area - bad western
Gas Resources Pipeline

4. Highlights of Conversation: Wayne has had several meetings with
Navajo Nation, Navajo EPA, Navajo minerals, Navajo Health and Human Services,
the Department of Justice, US EPA, Texaco, Exxon-Mobil, western Gas & the
Red Mesa & Aneth chapters. 12.5 miles of pipeline (downstream from an
Aneth Plant) no good. Options: a) rebuild 12.5 miles of pipeline - Row expires
2005 western's renegotiate with Navajo to extend Row western's [main choice], 1 month
to rebuild once ok given from Navajo etc. b) Use 20" Questar oil pipeline [1950's - 1990]
c) Use 6" Coroco Line - convert to gas and truck liquids from plant - talks broke down 9/10/01.
Everyone in agreement to keep wells producing - some verbal complaints from public, nothing
in writing yet. Red Mesa & Aneth chapters wanted full shut-in. Current plan: EPA sending
Letter today to flare gas thru plant (gas will be metered). The gas will be counted as
cost gas - no royalty due - because out of control of companies (producers). H₂S and other
safety monitors will be set up around plant and monitor health risks, etc. BLM
has approved all flaring until Oct. 15, 2001 associated w/ this matter. Probably
won't be back into operation before then though.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

RIM SOUTHWEST CORPORATION

3a. Address

87499

P.O. Box 145, Farmington, NM

3b. Phone No. (include area code)

(505) 327-5531

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

5. Lease Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan county
Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Vent/Flare

Gas

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that RIM Southwest Corporation is requesting additional approval to continue to vent/flare gas from the attached wells until December 1, 2001 or until the Aneth plant is put back on line, whichever occurs first. Please reference our previous sundry notice dated 8/29/01 which gave approval for this action through October 15, 2001.

Accepted by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR

Date: 11/19/01
Initials: [Signature]

Attachment

Date: 11/19/01

By: [Signature]

Ex: Dec 1, 2001

Federal Approval of This
Action Is Necessary

cc: State of Utah
Navajo Nation-Minerals
Navajo Nation EPA-Air
Quality
BIA - Gallup, NM

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

W. J. Holcomb

Title Vice President

Signature

[Signature]

Date 11/01/01

NOV 09 2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

DIVISION OF
OIL, GAS AND MINING

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RIM SOUTHWEST CORPORATION

			ESTIMATED GAS	
			VENTED	
LEASE NUMBER	WELL NAME	SEC-TWN-RNG	MCF/DAY	
1420603373	Big Sky 6E (6L)	06-42S-25E	19	43-037-31714
NOC 14205297				
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0	43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	43-037-30971
	Navajo Tribal 14-10	10-40S-24E	1	43-037-30977
	Navajo Tribal 41-2	02-42S-24E	8	43-037-31041
	Navajo Tribal 32-26	26-40S-22E	8	43-037-31060
NOG 8707-1162	Sahgzie #1	05-42S-24E	16	43-037-31472
	Anasazi #1	05-42S-24E	67	43-037-31478
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI	43-037-31515
	Runway 10C-5A	10-40S-25E	SI	43-037-31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	43-037-31547
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27	43-037-31562
	Brown Hogan 1A-2	01-42S-23E	18	43-037-31573
NOG 8707-12321	Burro 31-1	31-41S-24E	1	43-037-31708
	Jack 31G	31-41S-24E	SI	43-037-31709
	Mule 31K (N)	31-41S-24E	7	43-037-31617
	Mule 31M	31-41S-24E	24	43-037-31710
		TOTAL AVERAGE	254	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allocated or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
**San Juan County
Utah**

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

RIM SOUTHWEST CORPORATION

3. Address and Telephone No.

P. O. Box 145, Farmington, NM 87499 (505)327-5531

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Return to Production**
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on W.
Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that RIM Southwest Corporation is returning to production the previously shut-in wells on the attached list. These wells will be back on production by September 7, 2001. Flare stacks have been installed.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 9/17/01

By: Dash R Dent

cc: State of Utah
Navajo Nation-Minerals
Navajo Nation EPA - Air Quality
BIA - Gallup, NM

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR

Date: 9-17-01
Initials: CHD

14. I hereby certify that the foregoing is true and correct

Signed W. J. Holcomb (BIA)

Title W. J. Holcomb, Vice President 9/6/01

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

RIM SOUTHWEST CORPORATION

<u>LEASE NUMBER</u>	<u>WELL NAME</u>	<u>SEC-TWN-RNG</u>
NOG 8707-1170	Runway 10G-1	10-40S-25E - 43-037-3155
	Runway 10C-5A	10-40S-25E - 43-037-31597

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FILE

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

RIM SOUTHWEST CORPORATION

3a. Address

87499

3b. Phone No. (include area code)

(505) 327-5531

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

P.O. Box 145, Farmington, NM5. Lease Serial No.
See Attached6. If Indian, Allottee or Tribe Name
Navajo Nation

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
**San Juan County
Utah****12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other **Flare Gas**

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that as of approximately 3:00 p.m. Thursday, November 15, 2001 the attached wells were put back on line for gas sales through the Aneth pipeline/plant.

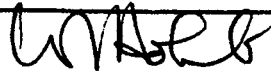
CC: State of Utah

Navajo Nation-Minerals
Navajo Nation EPA - Air Quality
BIA - Gallup, NM

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

W. J. HolcombTitle **Vice President**

Signature

Date **11/19/01**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

RECEIVED

Approved by

Title

NOV 23 2001

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

**DIVISION OF
OIL, GAS AND MINING**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RIM SOUTHWEST CORPORATION

LEASE NUMBER	WELL NAME	SEC-TWN-RNG	ESTIMATED GAS	
			VENTED	MCF/DAY
1420803373	Big Sky 6E (6L)	08-42S-25E	19	43-037-31714
NOC 14205297				
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0	43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	43-037-30971
	Navajo Tribal 14-10	10-40S-24E	1	43-037-30977
	Navajo Tribal 41-2	02-42S-24E	8	43-037-31041
	Navajo Tribal 32-28	28-40S-22E	8	43-037-31060
NOG 8707-1182	Sahgzie #1	05-42S-24E	16	43-037-31472
	Anasazi #1	05-42S-24E	67	43-037-31478
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI	43-037-31515
	Runway 10C-5A	10-40S-25E	SI	43-037-31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	43-037-31547
NOG 8707-1208	Blue Hogan 1J-1	01-42S-23E	27	43-037-31562
	Brown Hogan 1A-2	01-42S-23E	18	43-037-31573
NOG 8707-12321	Burro 31-1	31-41S-24E	1	43-037-31708
	Jack 31G	31-41S-24E	SI	43-037-31709
	Mule 31K (N)	31-41S-24E	7	43-037-31617
	Mule 31M	31-41S-24E	24	43-037-31710
TOTAL AVERAGE			254	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
RIM SOUTHWEST CORP

3a. Address
5 Inverness Drive East, Englewood CO 80112

3b. Phone No. (include area code)
(303) 799-9828

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1710' FNL & 2450' FEL SW NE sec 10 T40N R 25E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	REVISED SITE SECURITY
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	DIAGRAM

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Please find enclosed a revised Site Security Diagram for the RUNWAY #10G-1 well.

14. I hereby certify that the foregoing is true and correct.
Name (Printed Typed)

Kenneth J. Kundrik

Title

Operations Engineer

Signature

Kenneth J. Kundrik

Date

4/30/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

5. Lease Serial No.
NOG 8707-1170

6. If Indian, Allottee, or Tribe Name
THE NAVAJO NATION

7. If Unit or CA. Agreement Designation

8. Well Name and No.

RUNWAY #10G-1

9. API Well No.
43-037-31515

10. Field and Pool, or Exploratory Area
ANETH

11. County or Parish, State
SAN JUAN CO., UTAH

RECEIVED

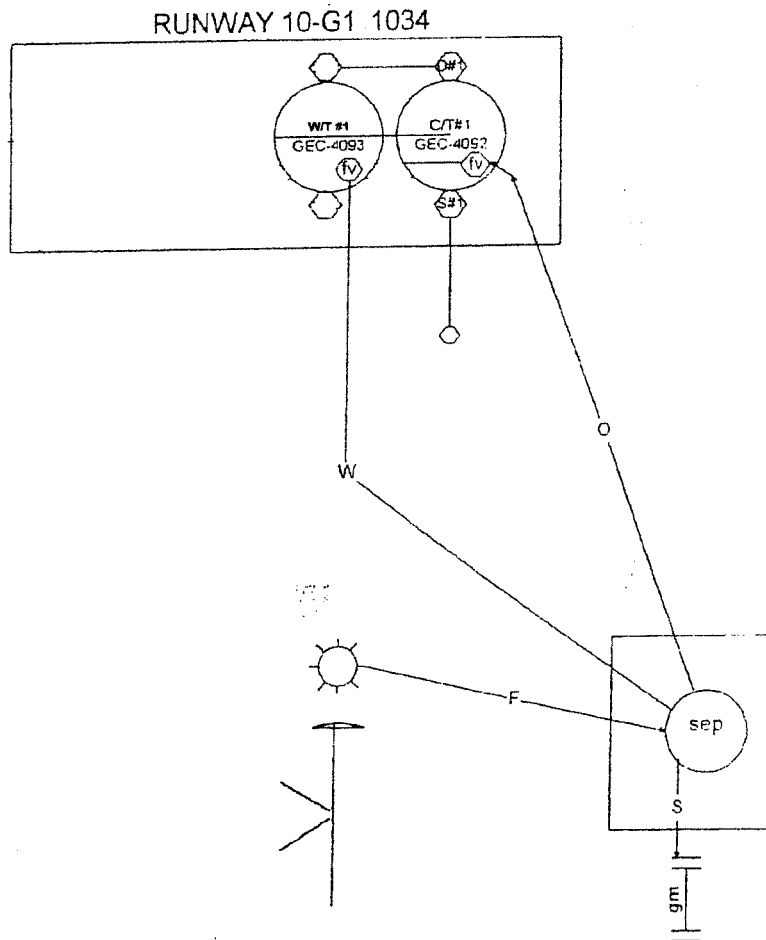
MAY 02 2008

DIV. OF OIL, GAS & MINING

**RIM SOUTHWEST
SITE DIAGRAM**

**WELL NAME: RUNWAY #10G-1
LOCATION: Sec 10 T40S R25E
COUNTY: SAN JUAN, UT
NOG#: 87071170**

THE SITE SECURITY PLAN IS LOCATED AT:
RIM SOUTHWEST CORP.
512 W. ARINGTON
FARMINGTON, NM 87401



Attachment to the Site Facility Diagram:
General sealing of valves. Sales by tank gauging
PRODUCTION PHASE - All drain valves and all
sales valves are sealed closed.
SALES PHASE - The tank from which sales are
being made will be isolated by sealing closed the
drain valve, fill valve, and the equalizer valve(s)
during sales.

DRAINING PHASE - The tank being drained will
be isolated by sealing closed the sales valve, fill
equalizer valve(s), and the drain valves on all other
tanks.

SEALING OF VALVES:
Tank S/T1 - S1 and D1 sealed shut

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 02 2008

FORM APPROVED
OMB No. 1004-0135

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NOG-8707-1170
2. Name of Operator RIM Southwest Corporation		6. If Indian, Allottee, or Tribe Name The Navajo Nation
3a. Address 5 Inverness Drive East, Englewood CO 80112	3b. Phone No. (include area code) 303-799-9828	7. If Unit or CA. Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SW NE sec 10 T 40S R 25E		8. Well Name and No. Runway 10G-1
		9. API Well No. 43-037-31515
		10. Field and Pool, or Exploratory Area Greater Aneth
		11. County or Parish, State San Juan Co., Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Return to production
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Returned to sales on Friday, August 29, 2008.

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Kenneth J Kundrik

Title

Operations Engineer

Signature

Kenneth J Kundrik

Date

9/2/2008

SEP 09 2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

BY

FARMINGTON FIELD OFFICE

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

FARMINGTON

Wash - OCO

RECEIVED

SEP 25 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

RIM Southwest Corp.

3a. Address

5 Inverness Drive East, Englewood CO 80112

3b. Phone No. (include area code)

303-799-9828

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

(1710' FNL & 2450' FEL) SW NE Sec 10 T 40N R 25E

5. Lease Serial No.

NOG 8707-1170

6. If Indian, Allottee, or Tribe Name

The Navajo Nation

7. If Unit or CA. Agreement Designation

8. Well Name and No.

Runway 10G-1

9. API Well No.

43-037-31515

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan Co., Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Returned to sales
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Returned to sales on Friday, February 27, 2009.

RECEIVED

MAR 12 2009

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed)	Kenneth J Kundrik	
Title	Operations Engineer	
Signature	<i>Kenneth J Kundrik</i>	
Date	3/2/2009	

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	ACCEPTED FOR RECORD

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

MAR 09 2009

FARMINGTON FIELD OFFICE
BY *CM*

UTAH ***OCD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator RIM Southwest Corp.	
3a. Address 5 Inverness Drive East, Englewood CO 80112	3b. Phone No. (include area code) 303-799-9828
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1710' FNL & 2450' FEL) SWNE sec 10 T 40N R 25E S	

FORM APPROVED OMB No. 1004-0135 Expires: July 31, 2010
5. Lease Serial No. NOG 8707-1170
6. If Indian, Allottee, or Tribe Name The Navajo Nation
7. If Unit or CA. Agreement Designation
8. Well Name and No. Runway 10G-1
9. API Well No. 43-037-31515
10. Field and Pool, or Exploratory Area Greater Aneth
11. County or Parish, State San Juan Co., Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Returned to production
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Returned to production on Friday, May 15, 2009 at 3:00 p.m.

RCVD MAY 28 '09
OIL CONS. DIV.
DIST. 3

RECEIVED

JUN 22 2009

14. I hereby certify that the foregoing is true and correct. Name (Printed/ Typed) Kenneth J Kundrik		Title Operations Engineering
Signature [Signature]		Date 5/18/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Title Office	Date MAY 26 2009
---	-----------------	---------------------

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NMOCD

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

8/1/2012

FROM: (Old Operator): N1715- RIM Southwest Corp P.O. Box 2058 Farmington, NM 87499 Phone: 1 (505) 327-5531	TO: (New Operator): N2550- Navajo Nation Oil & Gas Company 1675 Broadway, Suite 1000 Denver, CO 80202 Phone: 1 (303) 534-8300
---	---

CA No.

Unit:

N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/19/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/19/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 12/11/2012
- 4a. Is the new operator registered in the State of Utah: Business Number: 7407010-0147
- 5a. (R649-9-2)Waste Management Plan has been received on: Requested
- 5b. Inspections of LA PA state/fee well sites complete on: N/A
- 5c. Reports current for Production/Disposition & Sundries on: 12/11/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 12/11/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/11/2012
- Bond information entered in RBDMS on: 12/11/2102
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: 12/11/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: RLB0006712
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

RIM Southwest Corp (N1715) to Navajo Nation Oil Gas Company (N2550)
Effective 8/1/2012

Well Name	Sec	TWP	RNG	API Number	Entity	Lease	Well Type	Well Status
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
Navajo Nation Oil and Gas Company

3. ADDRESS OF OPERATOR:
P. O. Box 5069 Window Rock STATE AZ ZIP 86515

PHONE NUMBER:
303-534-8300

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1710 FNL & 2450 FEL

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW NE sec. 10 T40S R25E

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:

11105

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Navajo

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Runway 10G #1

9. API NUMBER:

43-037-31515

10. FIELD AND POOL, OR WILDCAT:

Greater Aneth

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

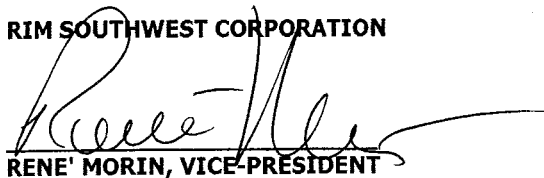
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Navajo Nation Oil and Gas Company certifies that it is authorized by the proper lease interest owners to conduct operations associated with this application. Bond coverage pursuant to 43CFR3104 for lease activities is being provided by Navajo Nation Oil and Gas Company with their BIA Bond RLB0014524.

RIM Southwest Corporation the previous operator, hereby names Navajo Nation Oil and Gas Company as successor operator effective August 1, 2012

RIM SOUTHWEST CORPORATION


RENE MORIN, VICE-PRESIDENT

Bond NO. RLB0006712

NAME (PLEASE PRINT) Lauren Germinano

TITLE Land Manager

SIGNATURE Lauren Germinano

DATE 8/1/12

(This space for State use only)

APPROVED

DEC 11 2012

LIV. OIL GAS & MINING
By: Rachel Medina

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

8/1/2010

FROM: (Old Operator): N2550- Navajo Oil & Gas Cp. 1625 Broadway, Suite 1100 Denver, CO 80202 Phone: 1 (303) 534-8300	TO: (New Operator): N3930- NNOGC Exploration & Production, LLC 1625 Broadway, Suite 1000 Denver, CO 80202 Phone: 1 (303)534-8300
---	--

CA No.				Unit:	N/A			
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/19/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/19/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 12/31/2012
- 4a. Is the new operator registered in the State of Utah: _____ Business Number: 8399948-0165
- 5a. (R649-9-2)Waste Management Plan has been received on: Not Yet
- 5b. Inspections of LA PA state/fee well sites complete on: 12/31/2102
- 5c. Reports current for Production/Disposition & Sundries on: 12/31/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA 8/1/2012
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/1/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 12/31/2102
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/31/2012
- Bond information entered in RBDMS on: 12/31/2012
- Fee/State wells attached to bond in RBDMS on: 12/31/2012
- Injection Projects to new operator in RBDMS on: 12/31/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: 12/31/2012

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: RLB0006712
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Navajo Nations Oil Gas Co. (N2550) to NNOGC Exploration Production, LLC (N3930)
Effective 8/1/2012

Well Name	Sec	TWP	RNG	API	Entity	Lease	Well Type	Well Status
TOHONADLA 26-OSCAR	26	410S	210E	4303750022		Indian	OW	APD
TOHONADLA 35-F	35	410S	210E	4303750024		Indian	OW	APD
TOHONADLA 2-G	02	420S	210E	4303750027		Indian	OW	APD
TOHONADLA 2-B	02	420S	210E	4303750028		Indian	OW	APD
TOHONADLA 1-C	01	420S	210E	4303750029		Indian	OW	APD
TOHONADLA 2-BRAVO	02	420S	210E	4303750030		Indian	OW	APD
TOHONADLA 1-F	01	420S	210E	4303750031		Indian	OW	APD
TOHONADLA 2-H	02	420S	210E	4303750032		Indian	OW	APD
TOHONADLA 1-Delta	01	420S	210E	4303750033		Indian	OW	APD
TOHONADLA 35-INDIGO	35	410S	210E	4303750034		Indian	OW	APD
TOHONADLA 35-J	35	410S	210E	4303750035		Indian	OW	APD
UTE CANYON 25G-O	25	410S	210E	4303731913	18823	Indian	OW	DRL
TOHONADLA 35-B	35	410S	210E	4303750023	18824	Indian	OW	DRL
UTE CYN 23-INDIGO	23	410S	210E	4303731880		Indian	OW	LA
TOHONADLA 35-P	35	410S	210E	4303731886		Indian	OW	LA
TOHONADLA 1-E	01	420S	210E	4303731887		Indian	OW	LA
TOHONADLA 1-D	01	420S	210E	4303731888		Indian	OW	LA
TOHONADLA 26-O	26	410S	210E	4303731896		Indian	OW	LA
UTE CYN 23-INDIGO	23	410S	210E	4303731911		Indian	OW	LA
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
TOHONADLA 2-35	35	410S	210E	4303731568	11202	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
TOHONADLA 35-P	35	410S	210E	4303750005	11202	Indian	OW	P
TOHONADLA 1-E	01	420S	210E	4303750006	6230	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	PA
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S
UTE CYN 23-P	23	410S	210E	4303731881	17282	Indian	OW	S

NAVAJO NATION OIL & GAS COMPANY

EXPLORATION & PRODUCTION LLC

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

Telephone (303) 534-8300 • FAX (303) 534-1405



September 18, 2012

Utah Division of Oil, Gas and Mining
c/o Rachel Medina
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

RECEIVED
SEP 19 2012
DIV. OF OIL, GAS & MINING

RE: Change of Operator Name and Address for Wells

Dear Rachel,

I am including with this letter several original FORM 9 to change the operator on wells. This probably will be done in two steps.

1. (16 wells) Change of Operator from RIM Southwest Corporation to Navajo Nation Oil & Gas Co.
2. (Same 16 wells) Change of Operator from Navajo Nation Oil & Gas Co. to NNOGC Exploration and Production, LLC.

We have recently registered our LLC with the State of Utah. The Utah Entity Number for NNOGC Exploration and Production, LLC is: 8399948-0165. Also, a new DOGM No. has been applied for for the LLC.

The name and address change is as follows:

OLD: Navajo Nation Oil & Gas Co.
1675 Broadway, Suite 1100
Denver, CO 80202
(DOGM Operator No. N2550)

NEW: NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

Should you require any additional information please contact me at 303-534-8300.

Sincerely,

Katie Hynes
Associate Landman

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
Navajo Nation Oil & Gas Co.

3. ADDRESS OF OPERATOR:
1675 Broadway, Suite 1100 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:
(303) 534-8300

4. LOCATION OF WELL
FOOTAGES AT SURFACE: See Attached List

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
See Attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Navajo Nation

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
See Attached

9. API NUMBER:
Various

10. FIELD AND POOL, OR WILDCAT:
Various

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Navajo Nation Oil and Gas Co. has registered its new entity with the State of Utah. The Operator Name and Address change applies to all wells currently operated by DOGm No. N2550 (see attachment).

The Utah Entity Number for the LLC is: 8399948-0165.

The new Entity is:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

NEW DOGm No.: 3930

Bond No. RLB0006712

Effective: July 10, 2010

NAME (PLEASE PRINT) Lauren Germinario TITLE Land Manager

SIGNATURE *Lauren Germinario* DATE 9/14/12

APPROVED

(This space for State use only)

DEC 3 1 2012

RECEIVED

DIV. OIL GAS & MINING
BY: Rachel Medina

SEP 17 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Co		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
3. ADDRESS OF OPERATOR: P.O. Box 5069 CITY Window Rock STATE AZ ZIP 86515		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (303) 534-8300		8. WELL NAME and NUMBER: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE:		9. API NUMBER: Various
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: Various
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Navajo Nation Oil & Gas Co. has registered its new entity with the State of Utah. The name and address change applies to all the wells that have recently changed from RIM Southwest Corporation to Navajo Nation Oil & Gas Co. (DOGM No. N2550)

The Utah Entity Number for the LLC is: 8399948-0165

Note: A new DOGM No. has been applied for NNOGC Exploration and Production, LLC

Please see the attached list of wells that will now be operated by:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

All of these wells are covered by Bond No. RLB0006712

Effective: Aug 1, 2012

NAME (PLEASE PRINT) Lauren Germinario	TITLE Land Manager
SIGNATURE <i>Lauren Germinario</i>	DATE 9/18/2012

(This space for State use only) **APPROVED**

DEC 31 2012

DIV. OIL GAS & MINING

BY: *Rachael Medina*

(See Instructions on Reverse Side)

RECEIVED
SEP 19 2012
DIV. OF OIL GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: NOG-8707-1170			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO			
2. NAME OF OPERATOR: NAVAJO NATION OIL & GAS CO		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: P.O. Box 4439 , Window Rock, AZ, 86515		8. WELL NAME and NUMBER: RUNWAY 10G-1			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1710 FNL 2450 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 10 Township: 40.0S Range: 25.0E Meridian: S		9. API NUMBER: 43037315150000			
9. FIELD and POOL or WILDCAT: RUNWAY		COUNTY: SAN JUAN			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/10/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Well is S/I, went on vent December 10, 2012 due to operational issues to sales line.					
Accepted by the Utah Division of Oil, Gas and Mining Date: January 23, 2013 By: <u>Derek Quist</u>					
NAME (PLEASE PRINT) Lauren Germinario		PHONE NUMBER 303 534-8300			
SIGNATURE N/A		TITLE Land Manager			
DATE 12/26/2012					

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
NNOGC EXPLORATION AND PRODUCTION, LLC

3. ADDRESS OF OPERATOR:
P.O. BOX 4439 CITY WINDOW ROCK STATE AZ ZIP 86515

PHONE NUMBER:
(303) 538-8300

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: **SAN JUAN**

QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: **UTAH**

5. LEASE DESIGNATION AND SERIAL NUMBER:

VARIOUS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

NAVAJO

7. UNIT or CO AGREEMENT NAME:

8. WELL NAME and NUMBER:

SEE ATTACHED

9. API NUMBER:

ATTACHED

10. FIELD AND POOL, OR WILDCAT:

SEE ATTACHED

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input checked="" type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PLEASE SEE ATTACHED LIST OF WELLS THAT ARE CURRENTLY VENTING. THE LISTED WELLS WILL BE VENTING FOR A MINIMUM OF TWO MONTHS PENDING REPAIRS TO THE ANADARKO LINE.

NAME (PLEASE PRINT) **LAUREN GERMINARIO**

TITLE **LAND MANAGER**

SIGNATURE

DATE **1/18/2013**

(This space for State use only)

Attachment to Form 9

API	Well Name	Type	Lease	Field	County	T-R	Section	Activity	MCF/day (avg)	
43-037-31472	SAHGZIE 1	Oil Well	NOG-8702-1162	GREATER ANETH	SAN JUAN	42S-24E	5	on vent 12/24/12	0	Well does not produce gas
43-037-31478	ANASAZI 1	Oil Well	NOG-8702-1162	GREATER ANETH	SAN JUAN	42S-24E	5	on vent 12/24/12	17	
43-037-31497	CAJON MESA 8D-1	Oil Well	NOOC-1420-5297	CAJON MESA	SAN JUAN	40S-25E	8	S/I, on vent 12/10/12	8	
43-037-31509	MONUMENT 8N-2	Oil Well	NOOC-1420-5297	MONUMENT	SAN JUAN	40S-25E	8	S/I, on vent 12/10/12	11	
43-037-31515	RUNWAY 10G-1	Oil Well	NOG-8707-1170	RUNWAY	SAN JUAN	40S-25E	10	S/I, on vent 12/10/12	3	Well is currently s/i
43-037-31547	MONUMENT 17E-2	Oil Well	NOG-8707-1191	MONUMENT	SAN JUAN	40S-25E	17	S/I, on vent 12/10/12	0	
43-037-31550	RUNWAY 10E-2	Gas Well	NOG-8707-1190	RUNWAY	SAN JUAN	40S-25E	10	S/I, on vent 12/10/12	19	
43-037-31562	BLUE HOGAN 1J-1	Oil Well	NOG-8707-1206	DESERT CREEK	SAN JUAN	42S-23E	1	on vent 12/24/12	8	
43-037-31572	ANASAZI 5L-3	Oil Well	NOG-8707-1163	GREATER ANETH	SAN JUAN	42S-24E	5	on vent 12/24/12	6	Well does not produce gas
43-037-31573	BROWN HOGAN 1A-2	Oil Well	NOG-8707-1206	DESERT CREEK	SAN JUAN	42S-23E	1	on vent 12/24/12	8	
43-037-31617	MULE 31K (N)	Oil Well	NOG-8707-1231	DESERT CREEK	SAN JUAN	41S-24E	31	on vent 12/24/12	1	
43-037-31710	MULE 31M	Oil Well	NOG-8707-1231	DESERT CREEK	SAN JUAN	41S-24E	31	on vent 12/24/12	8	
43-037-31744	ANASAZI 6H-1	Oil Well	NOG-8707-1163	GREATER ANETH	SAN JUAN	42S-24E	6	on vent 12/24/12	0	Well does not produce gas

NOTE: The listed wells will be on vent for a minimum of 2 months pending repairs to the Anadarko line.